TRATTATO GENERALE

DI

COSTRUZIONI CIVILI

CON CENNI SPECIALI

INTORNO ALLE

COSTRUZIONI GRANDIOSE

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VOL. V.

Applicazioni alle Costruzioni

PARTE SECONDA.

COSTRUZIONI CIVILI

DEGL'INGEGNERI
ALBERTINI C. - GIOVANNONI G. - GALASSI F.

NER 274
UNIVERSITÀ DEGLI STUDI DI BOLOGNA
FACOLTÀ DI INGEGNERIA
DI ARCHITETTURA
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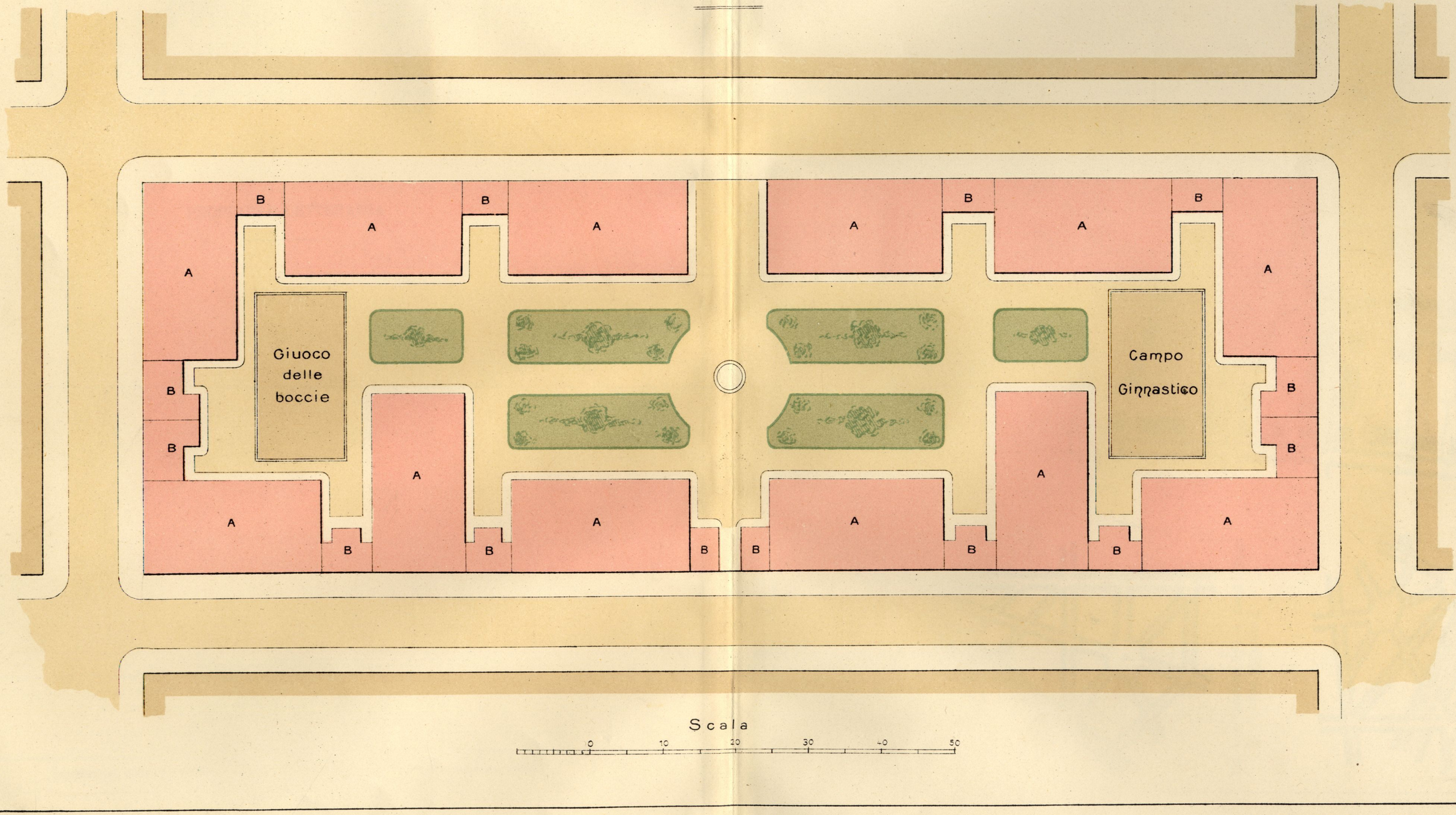
ATLANTE

Casa Editrice
DOTTOR FRANCESCO VALLARDI
MILANO
BOLOGNA - CAGLIARI - CATANIA - FIRENZE - GENOVA
NAPOLI - PADOVA - PALERMO - PISA - ROMA - SASSARI - TORINO - TRENTO - TRIESTE
ALESSANDRIA D'EGITTO
BUENOS AIRES - MONTEVIDEO - RIO JANEIRO - SAN PAULO

Quartiere operaio della Società Umanitaria

a Nord-Est di Milano

A - Fabbricati a quattro piani
B - „ a solo piano terreno



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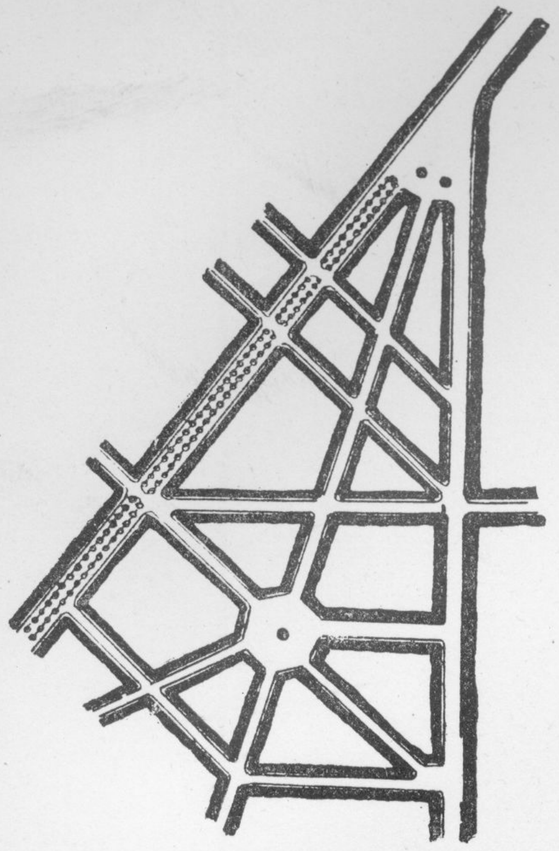


Fig. 1. — Quartiere *Pré S. Denis* a Liegi (tipo triangolare).

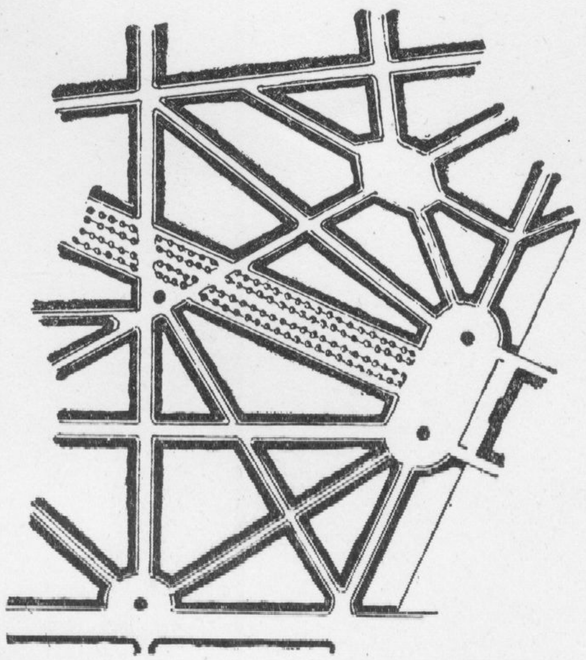


Fig. 2. — *Quartier du Sud* ad Anversa (tipo triangolare).

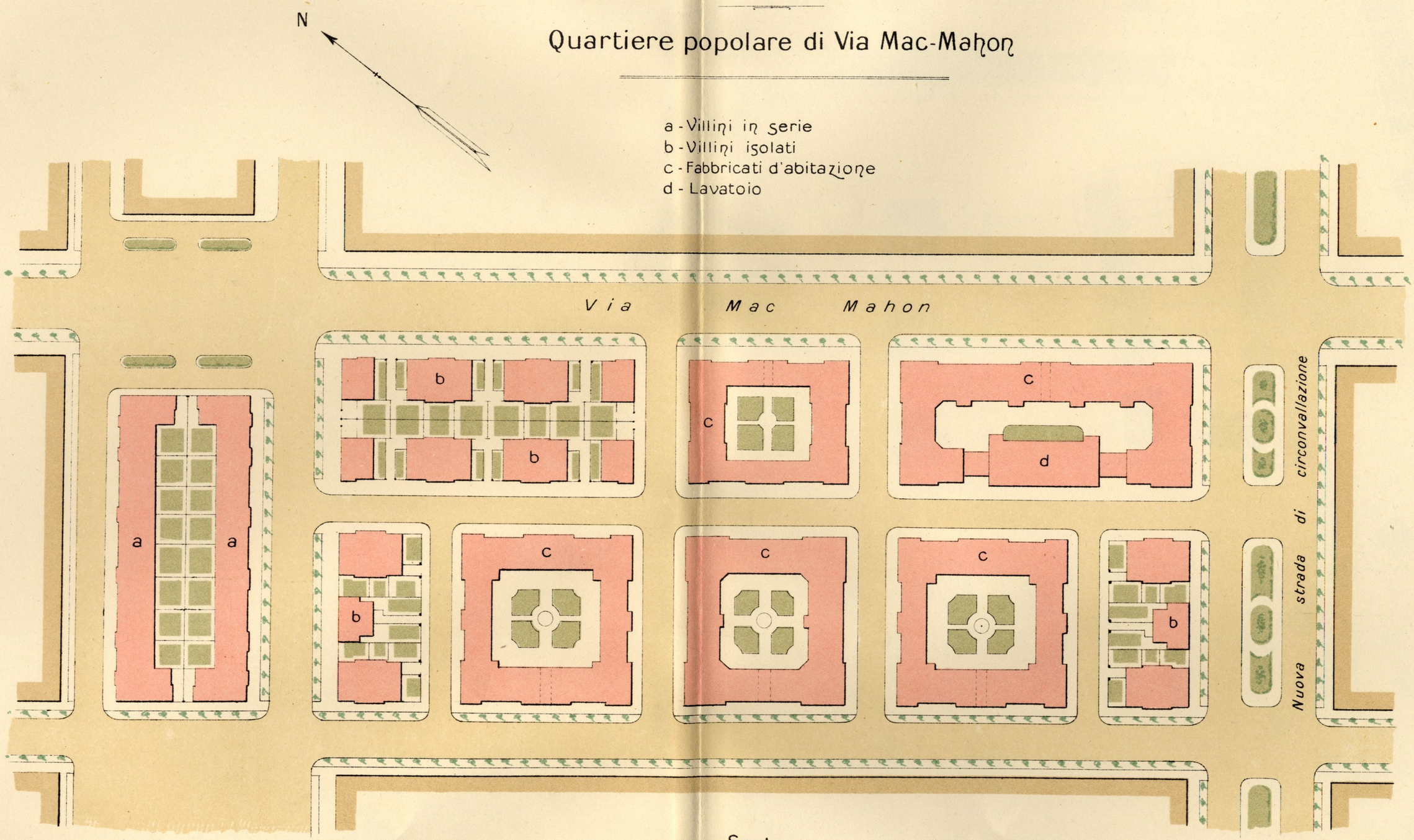
Fig. 3. — Nuovo quartiere di Darmstadt (tipo curvilineo).

Proprietà artistica.

Città di Milano

Quartiere popolare di Via Mac-Mahon

a - Villini in serie
b - Villini isolati
c - Fabbricati d'abitazione
d - Lavatoio



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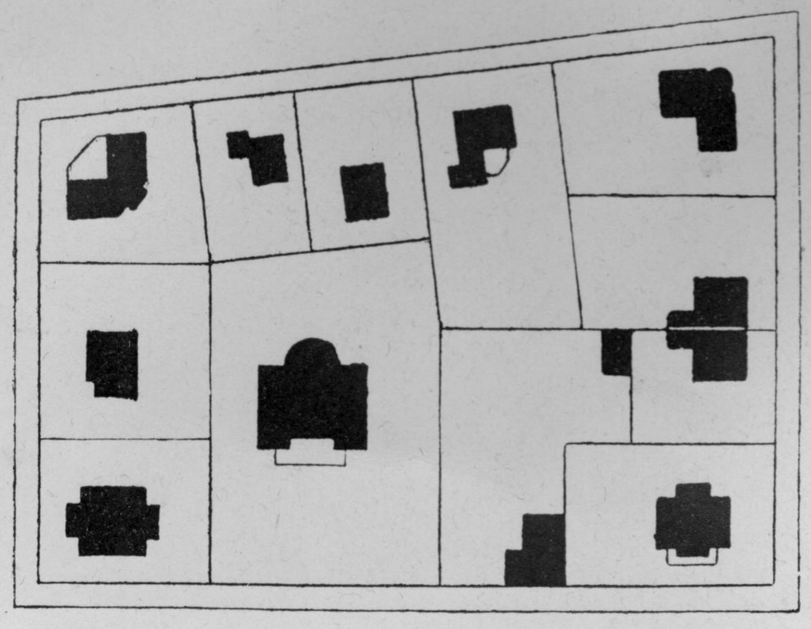


Fig. 1. — Gruppo di villini in un isolato rettangolare.

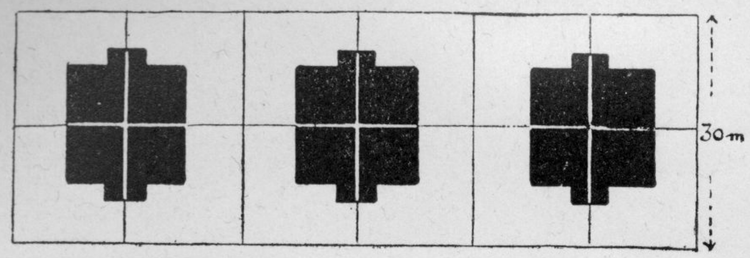


Fig. 3. — Casette quadruple a Mülhausen.

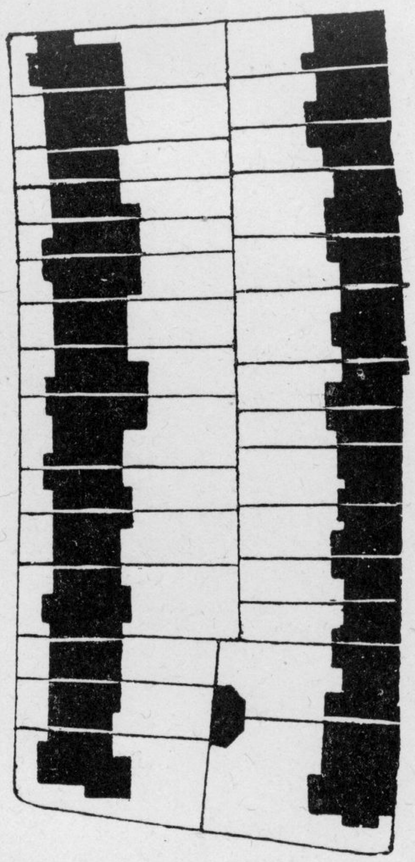


Fig. 4. — Doppie schiere di villini.

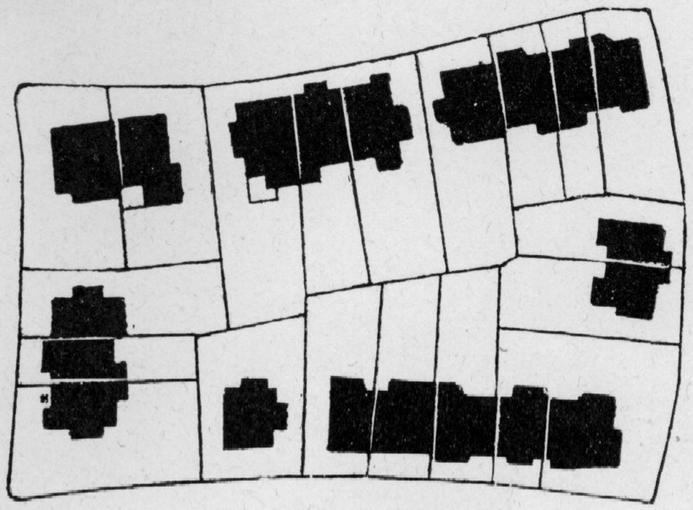


Fig. 6.
Tipo misto di piccole case aggruppate.

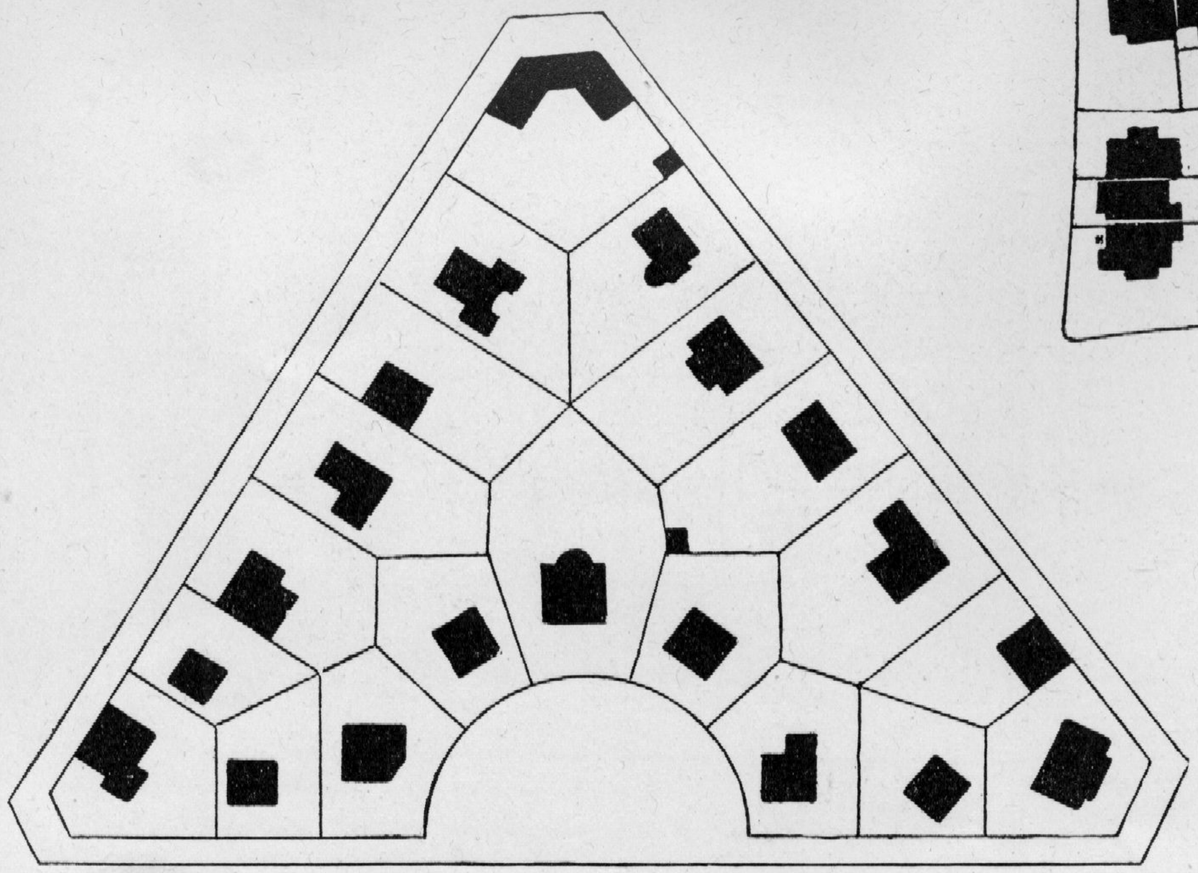


Fig. 2. — Gruppo di villini in un grande isolato triangolare.

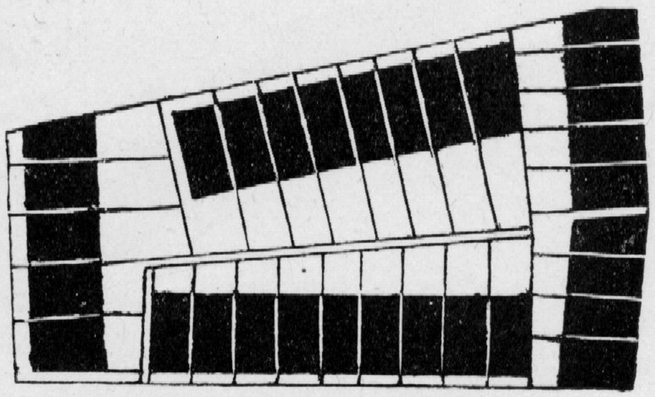


Fig. 5. — Case a schiera di tipo « semi-aperto »
(dai nuovi quartieri di Brema).

Proprietà artistica.

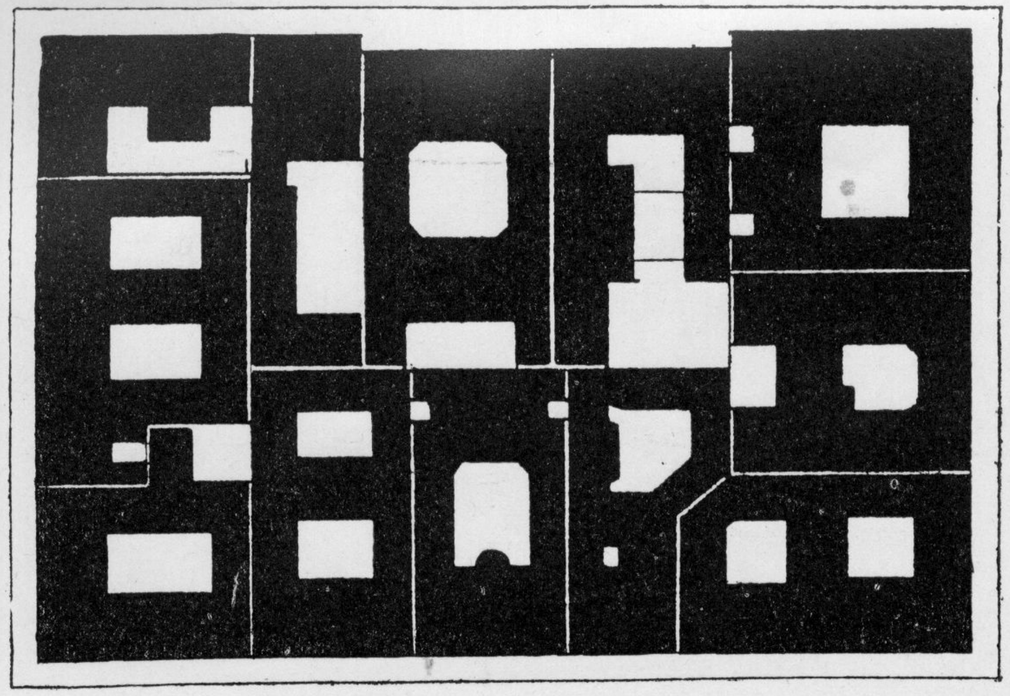


Fig. 1. — Blocco di case agglomerate a fabbricazione densa.

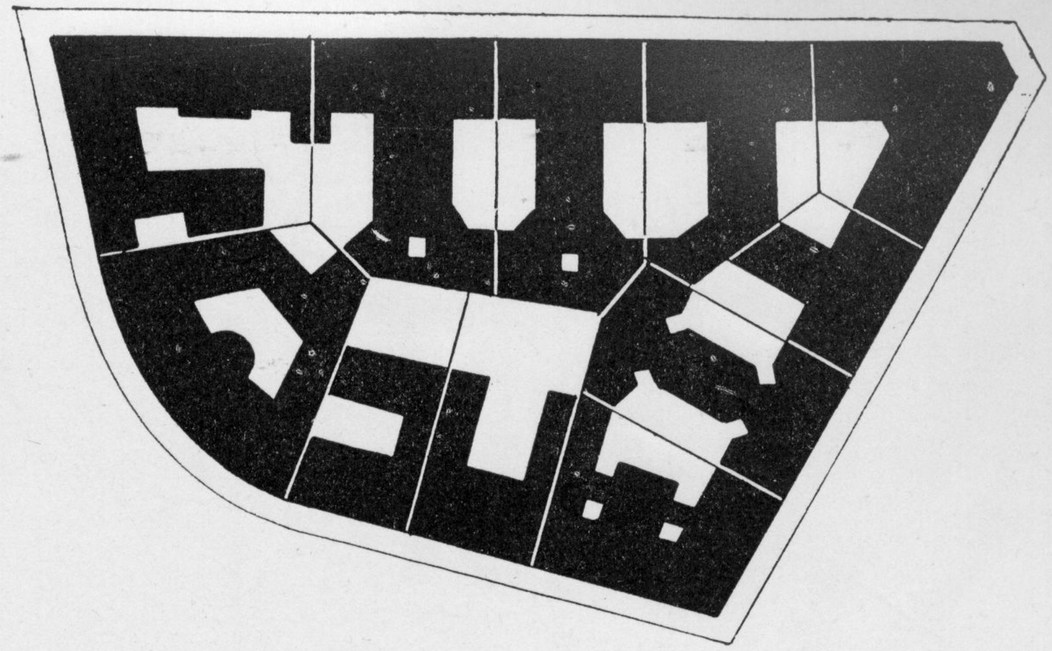


Fig. 2. — Blocco di case agglomerate con cortili associati.

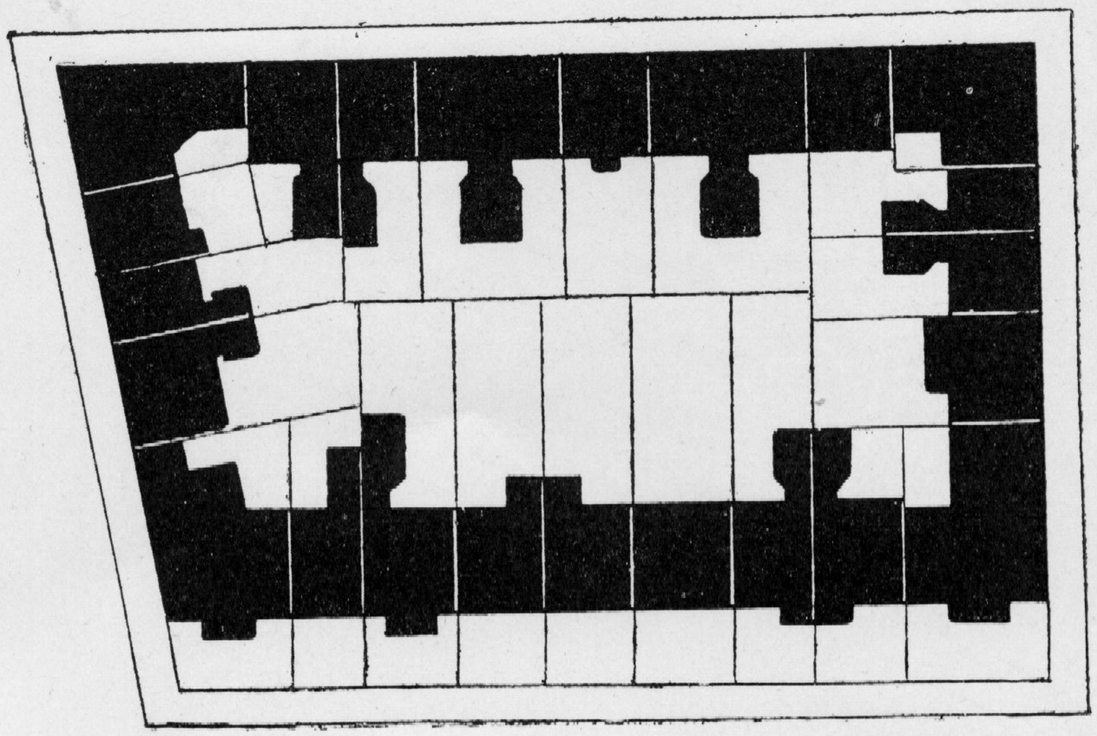


Fig. 3. — Case agglomerate con grande spazio interno (dai nuovi quartieri di Colonia).

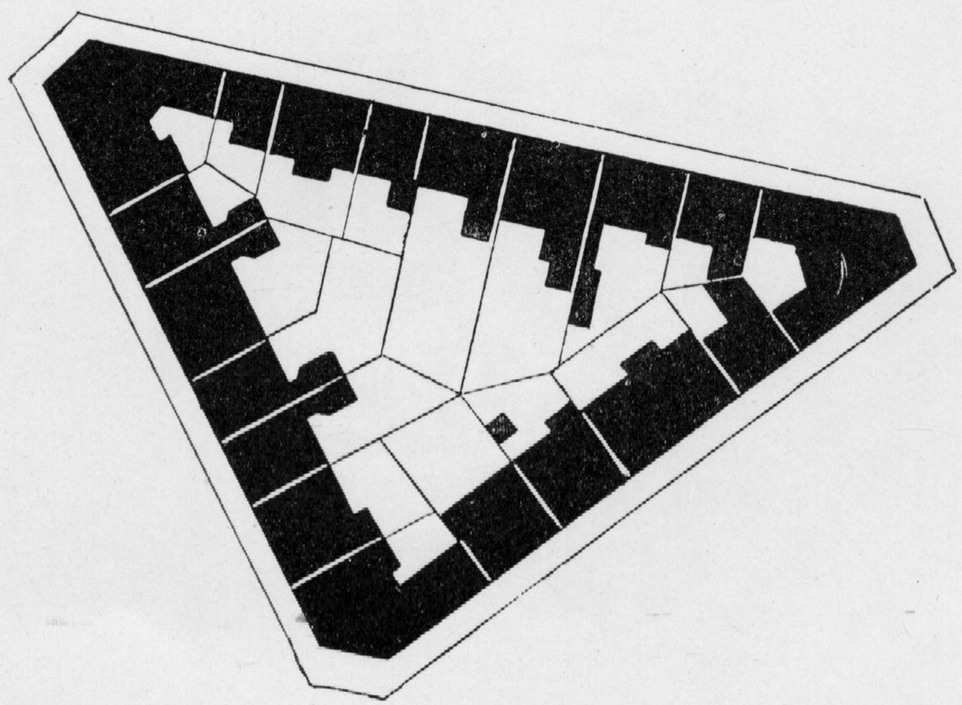


Fig. 4. — Case agglomerate in un isolato triangolare con grande spazio interno (dai nuovi quartieri di Colonia).

Proprietà artistica.

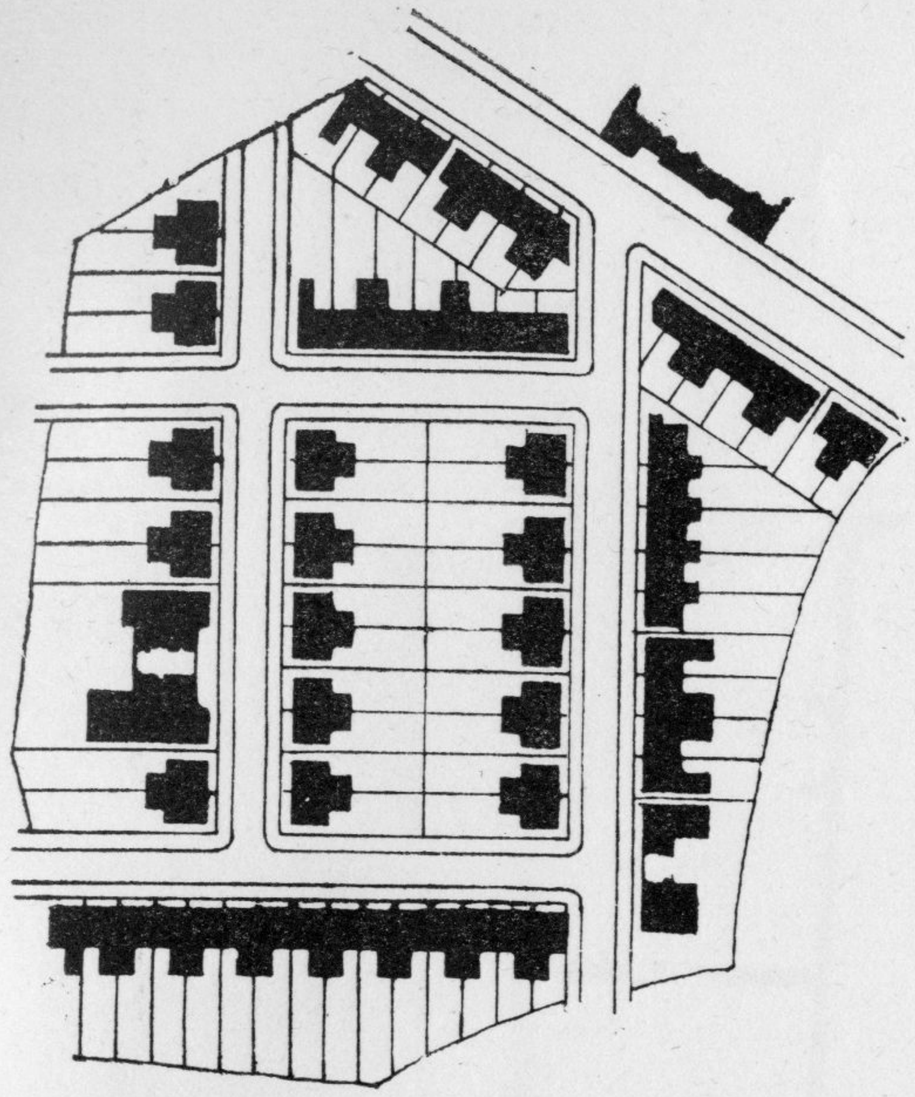


Fig. 1. — Sistemazione di un quartiere secondo il tipo rettilineare.

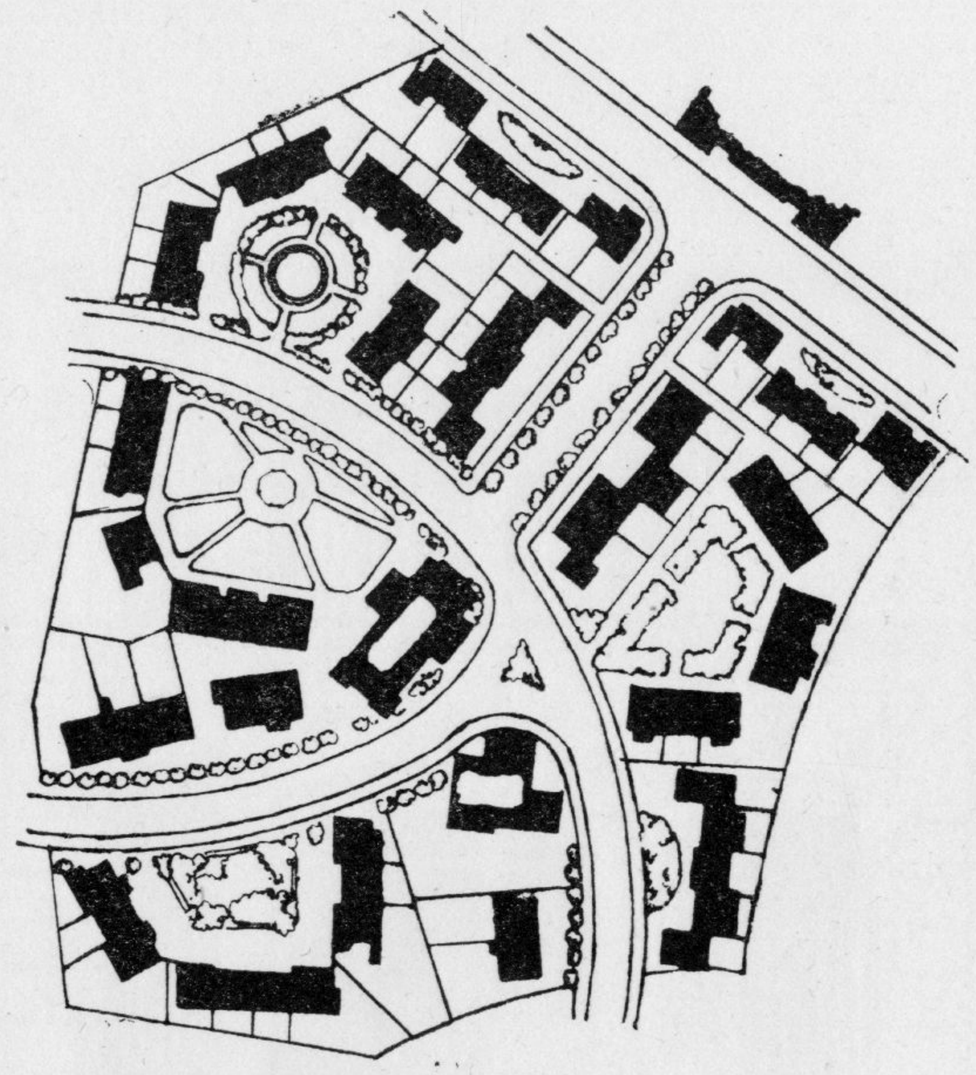


Fig. 2. — Sistemazione di un quartiere secondo il tipo curvilineare.

Fig. 3. — Sobborgo a giardini in Warrington.

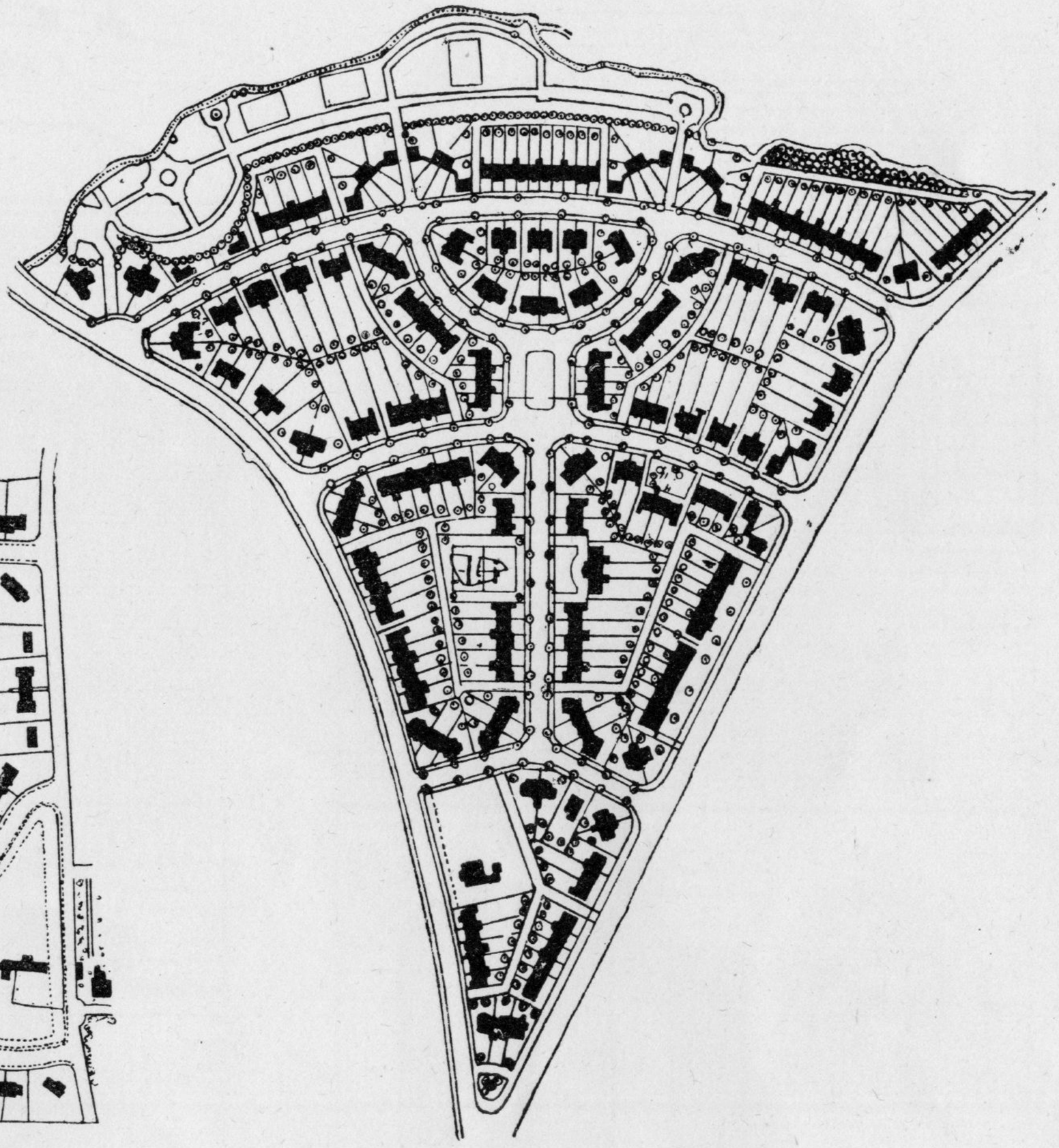


Fig. 4. — Sobborgo a giardini in Bingley.

Proprietà artistica.

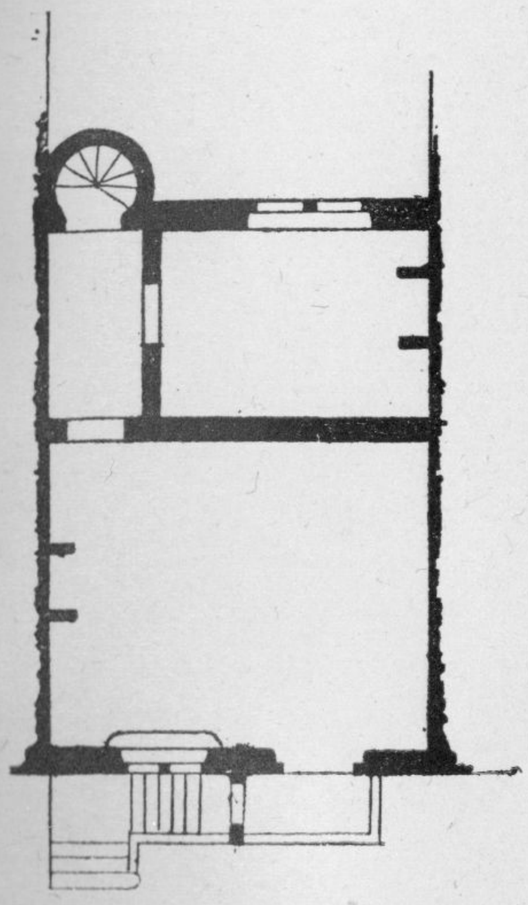


Fig. 2.

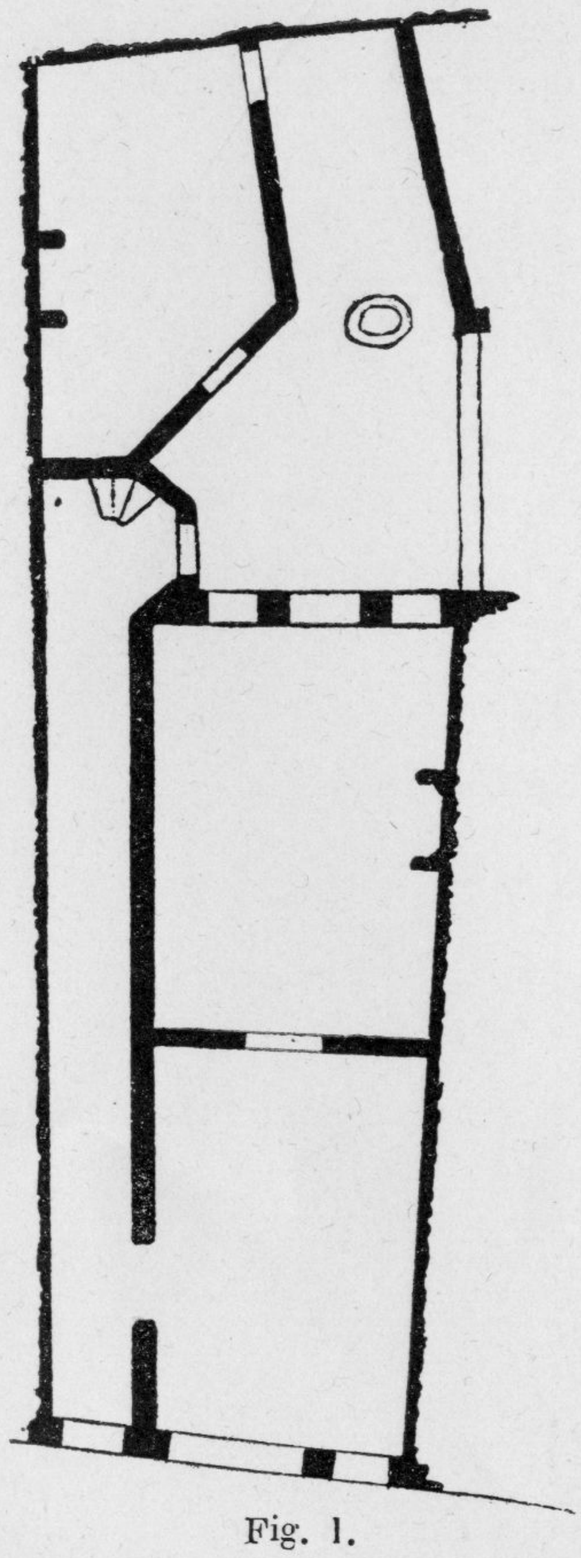


Fig. 1.

Piante di case medioevali.

Fig. 3. — Casa in Cluny (sec. XIII).

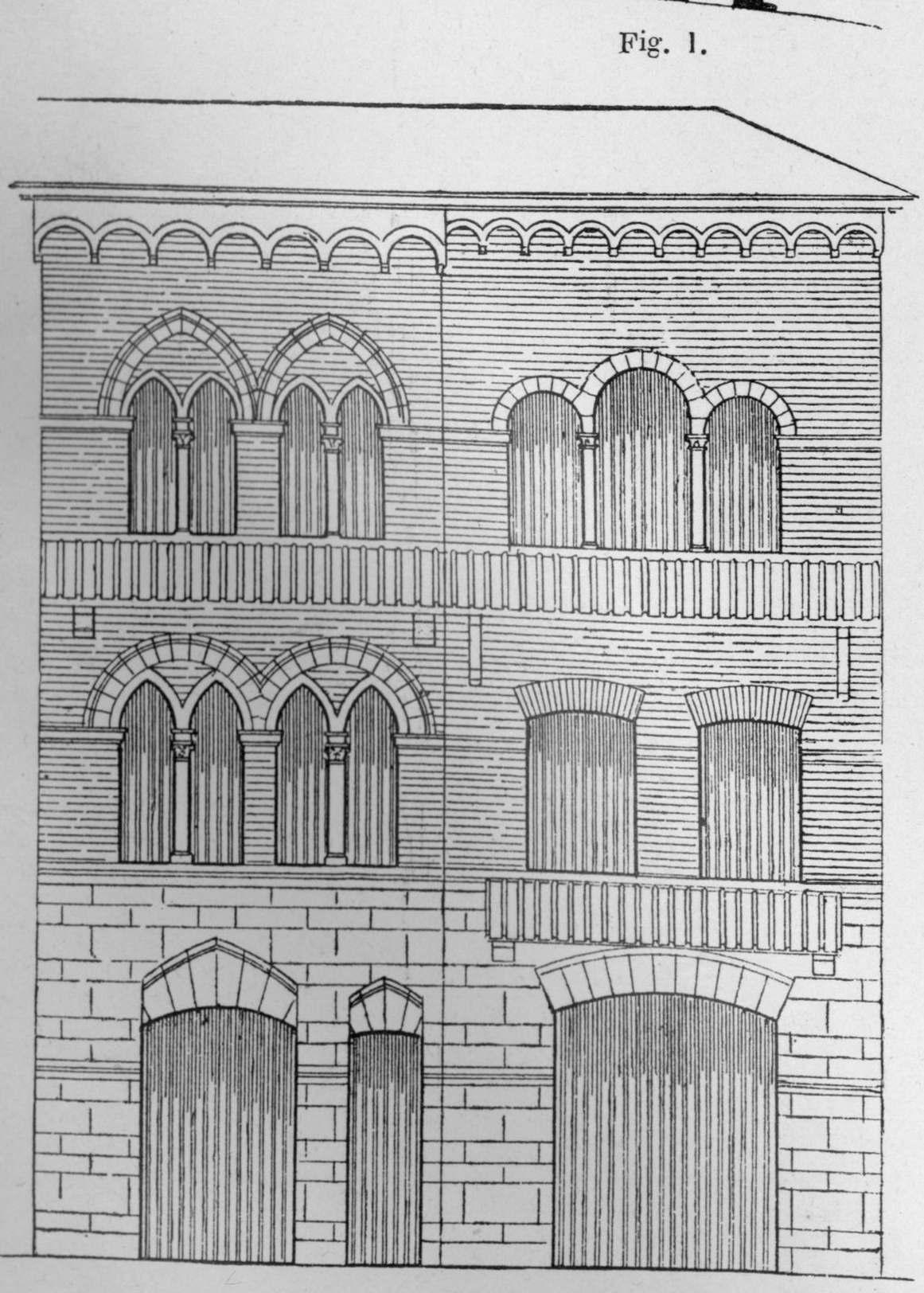


Fig. 4. — Case in S. Gemignano (sec. XIII-XIV).

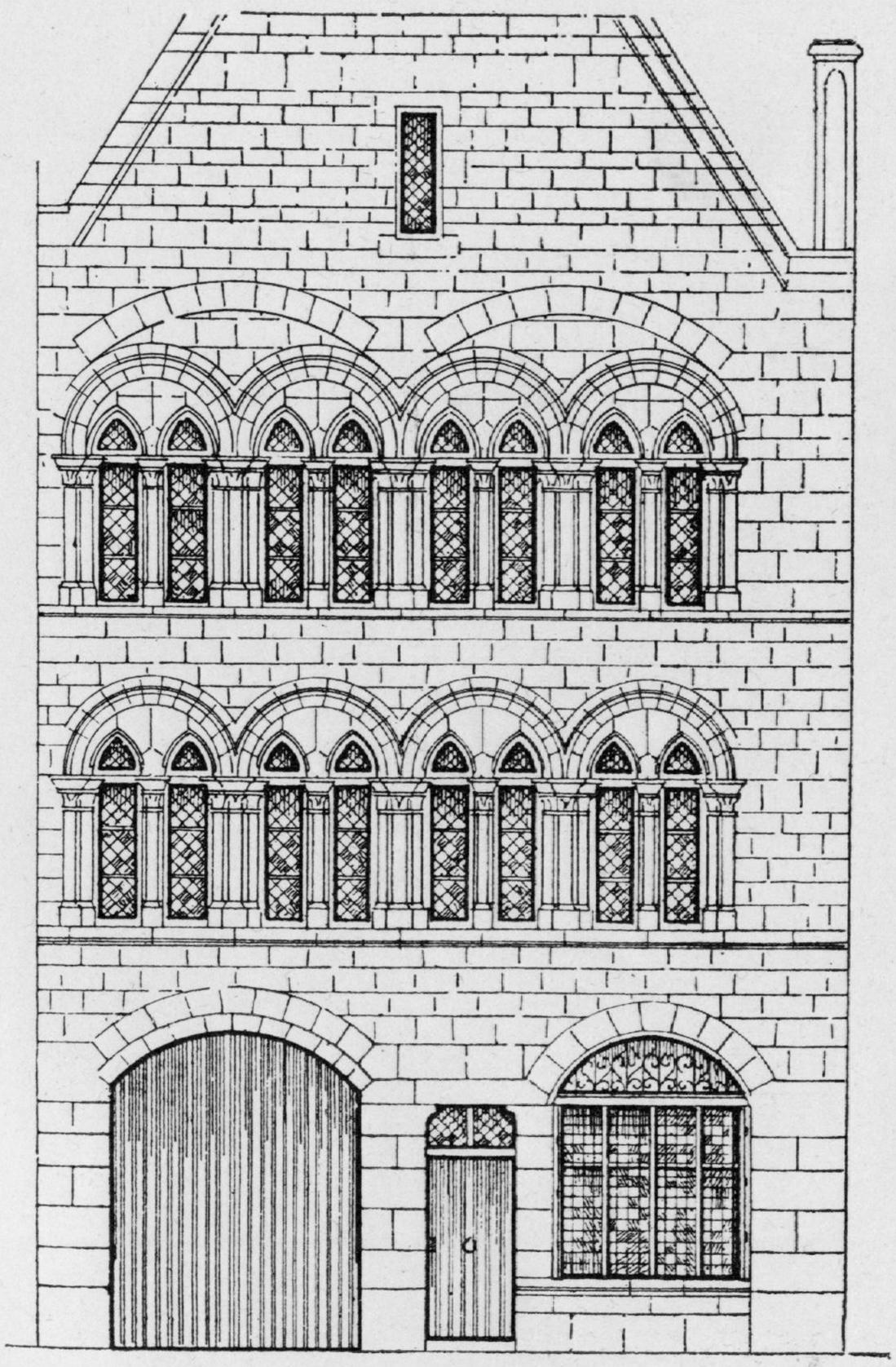


Fig. 5. — Casa in Amiens (sec. XIII).

Proprietà artistica.

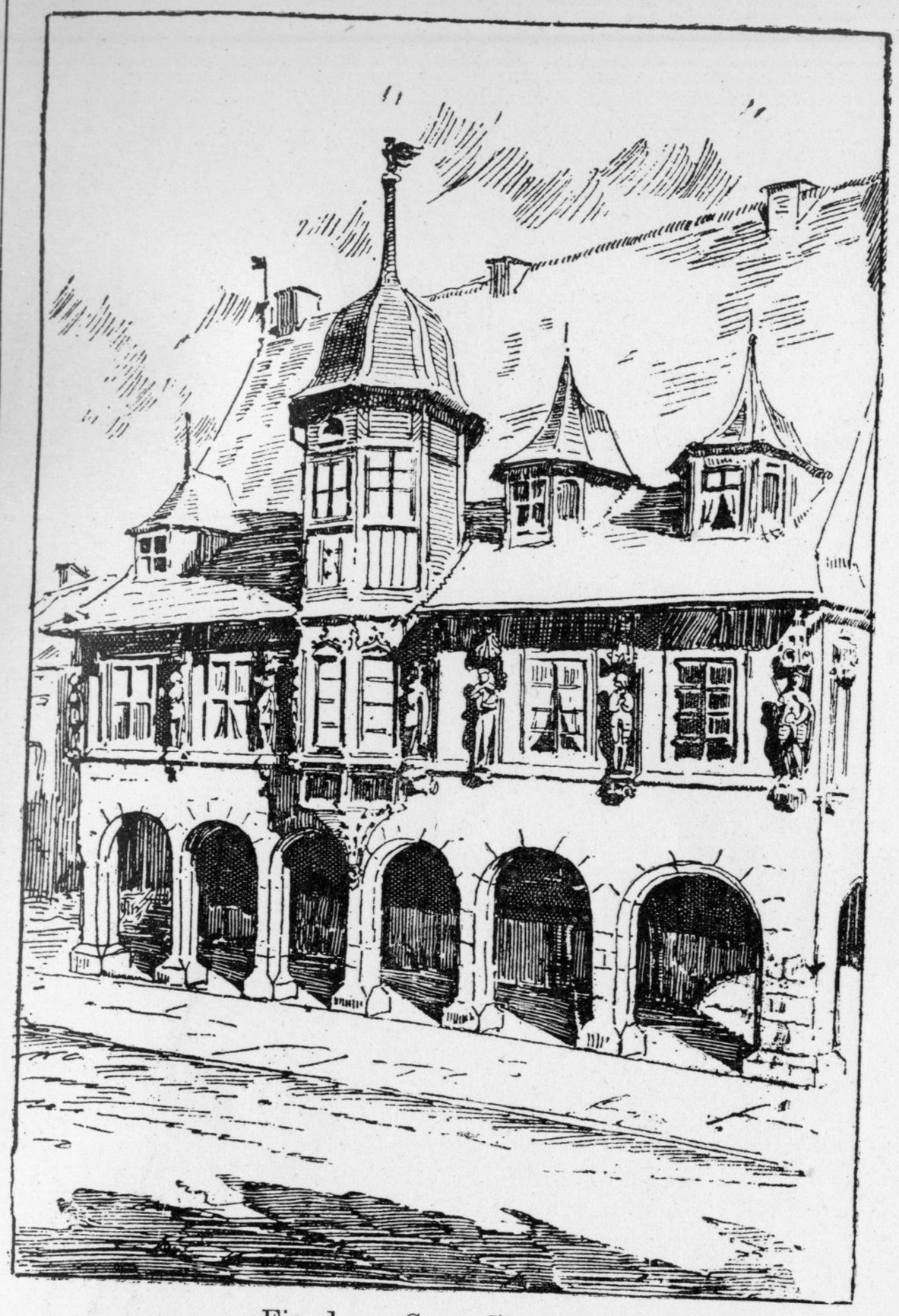


Fig. 1. — Casa a Goslar.

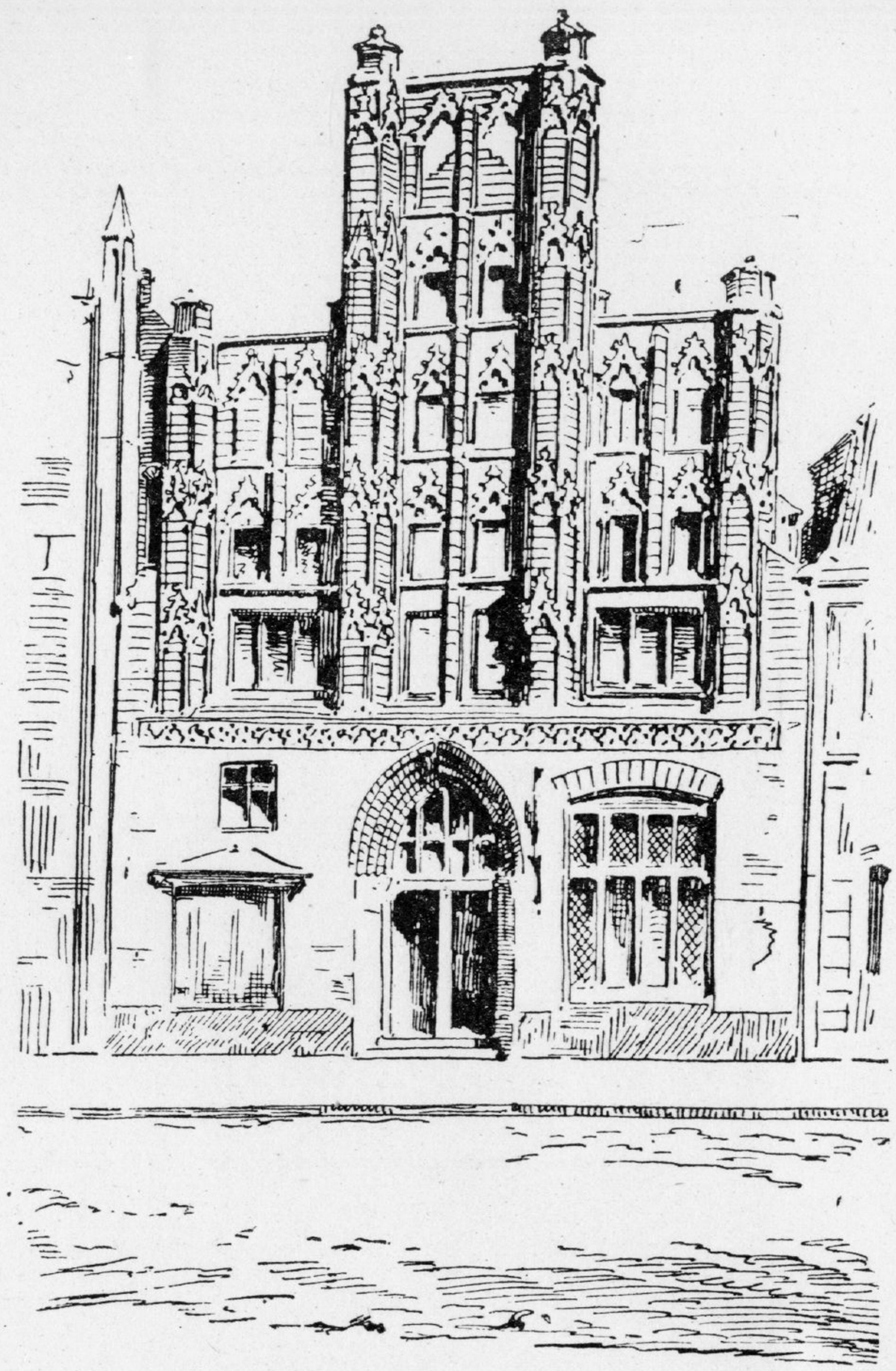


Fig. 2. — Casa a Lubecca.

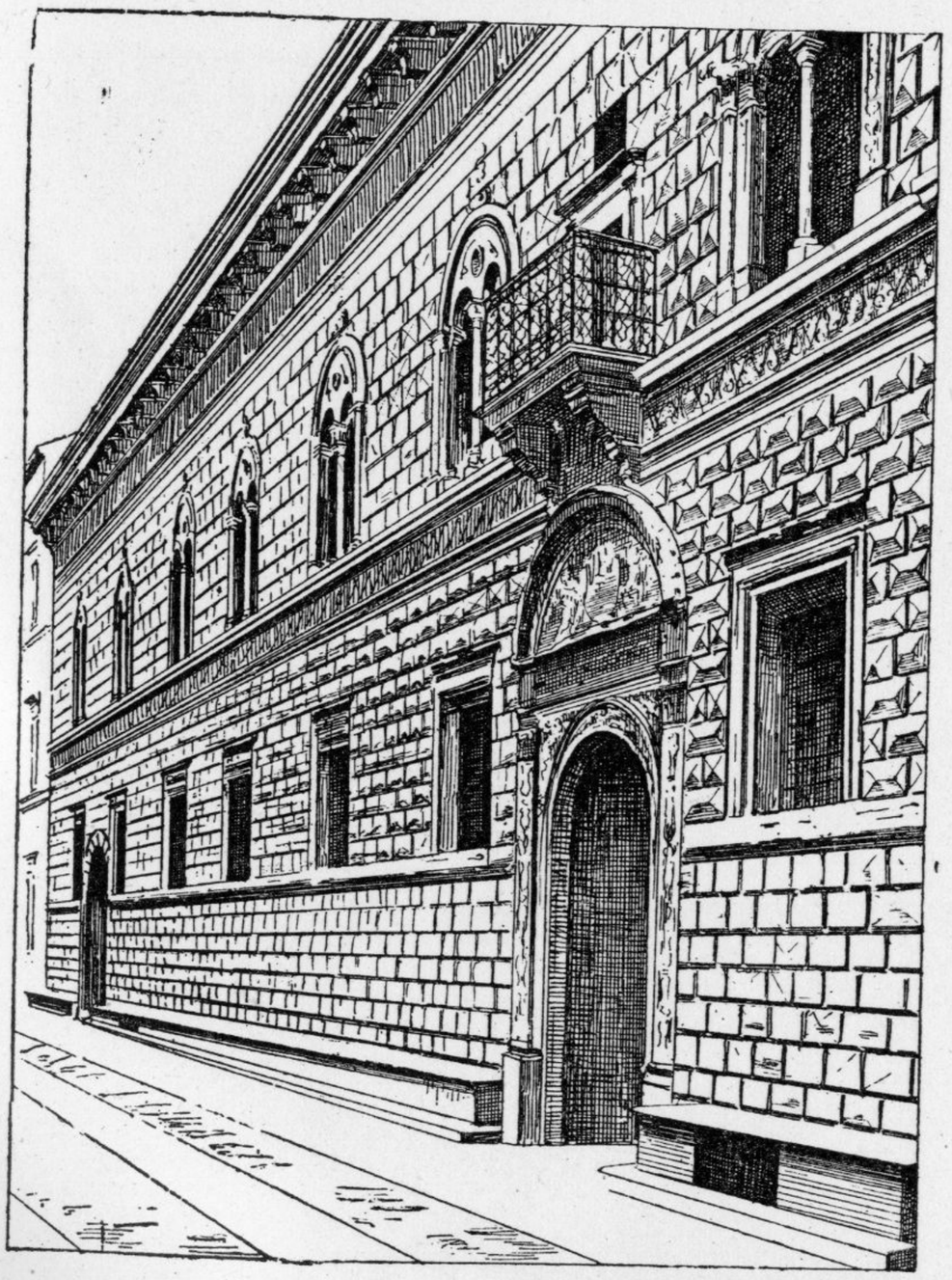


Fig. 3. — Bologna: Palazzo Bevilacqua.

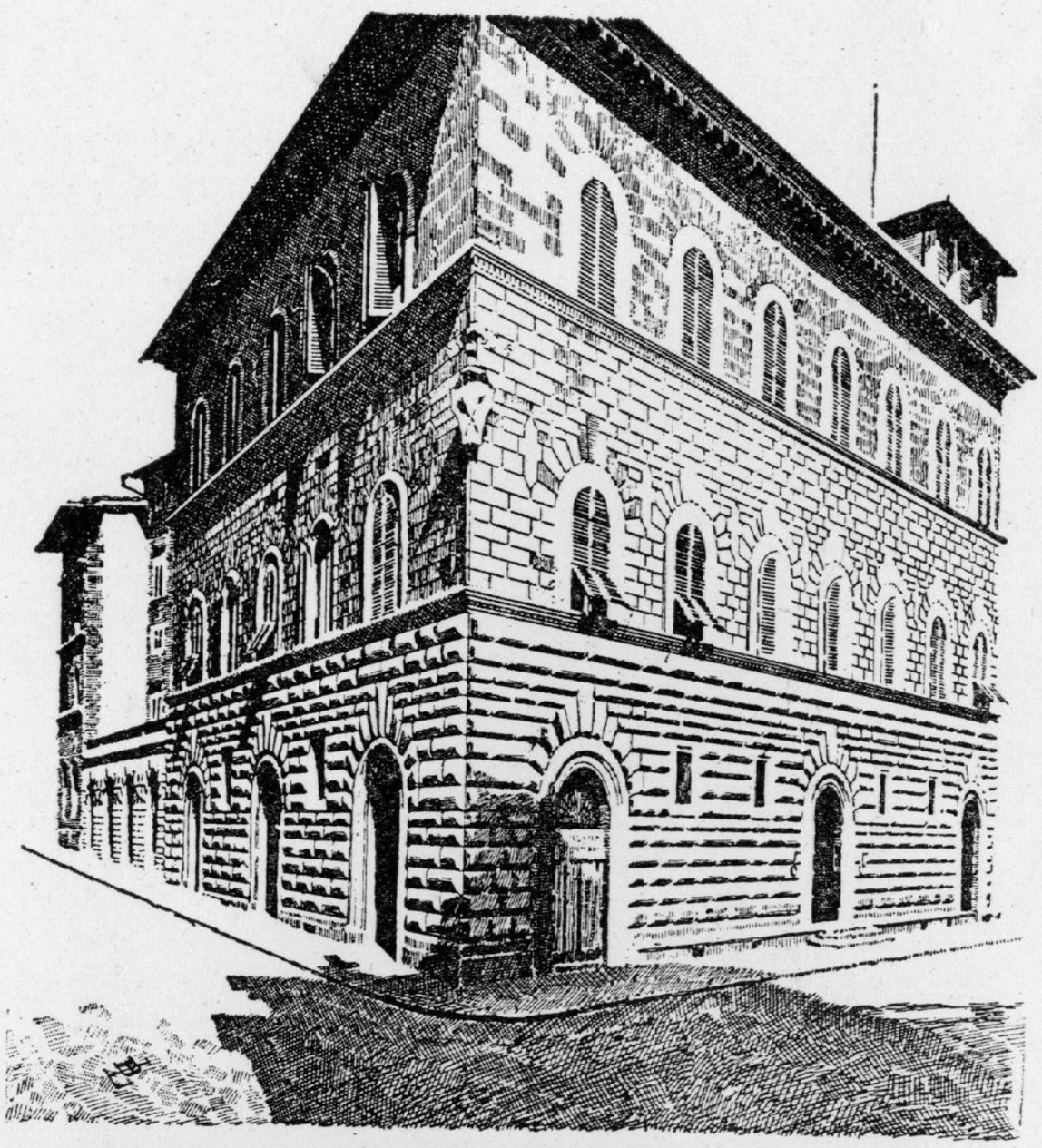


Fig. — 4. — Firenze: Palazzo Gondi.

Proprietà artistica.

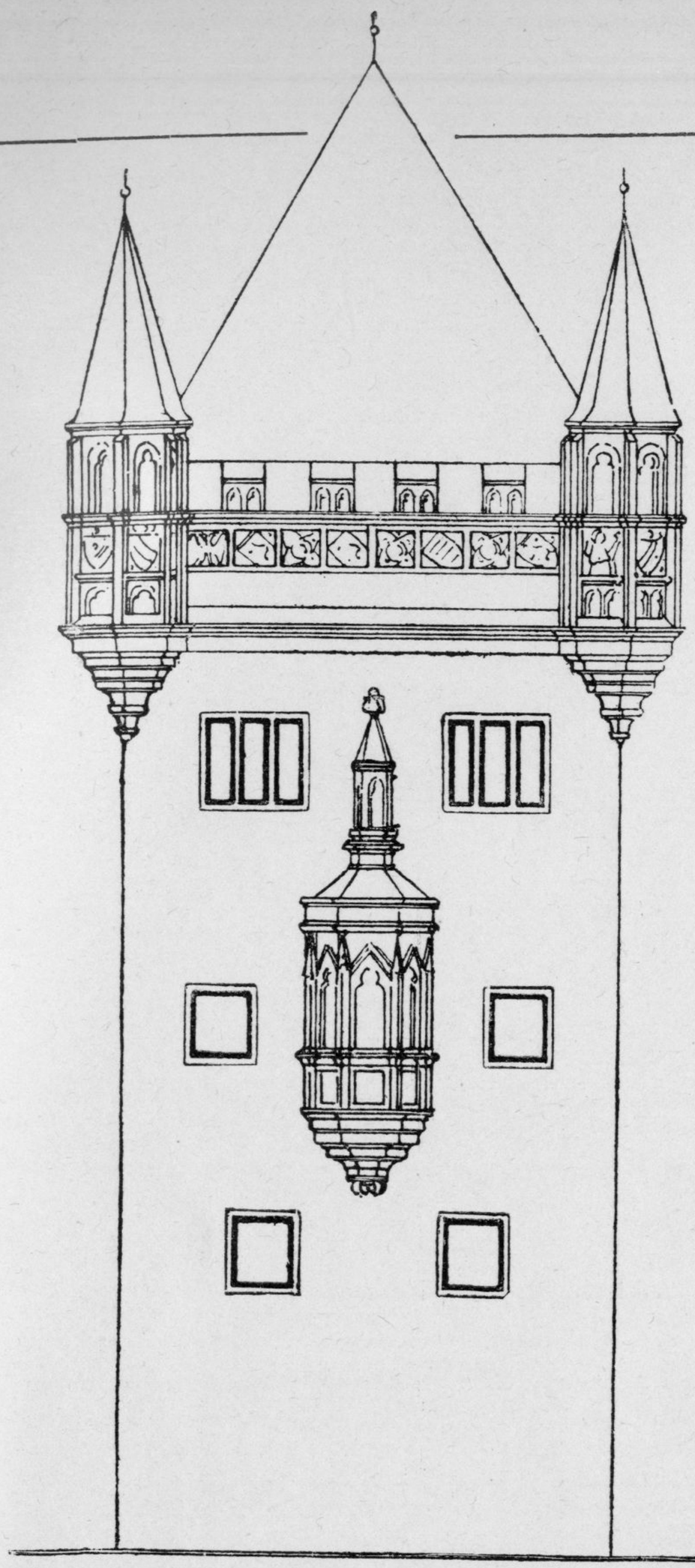


Fig. 1. — Casa Schlüsselfelder (Nassau) in Norimberga (sec. XV).

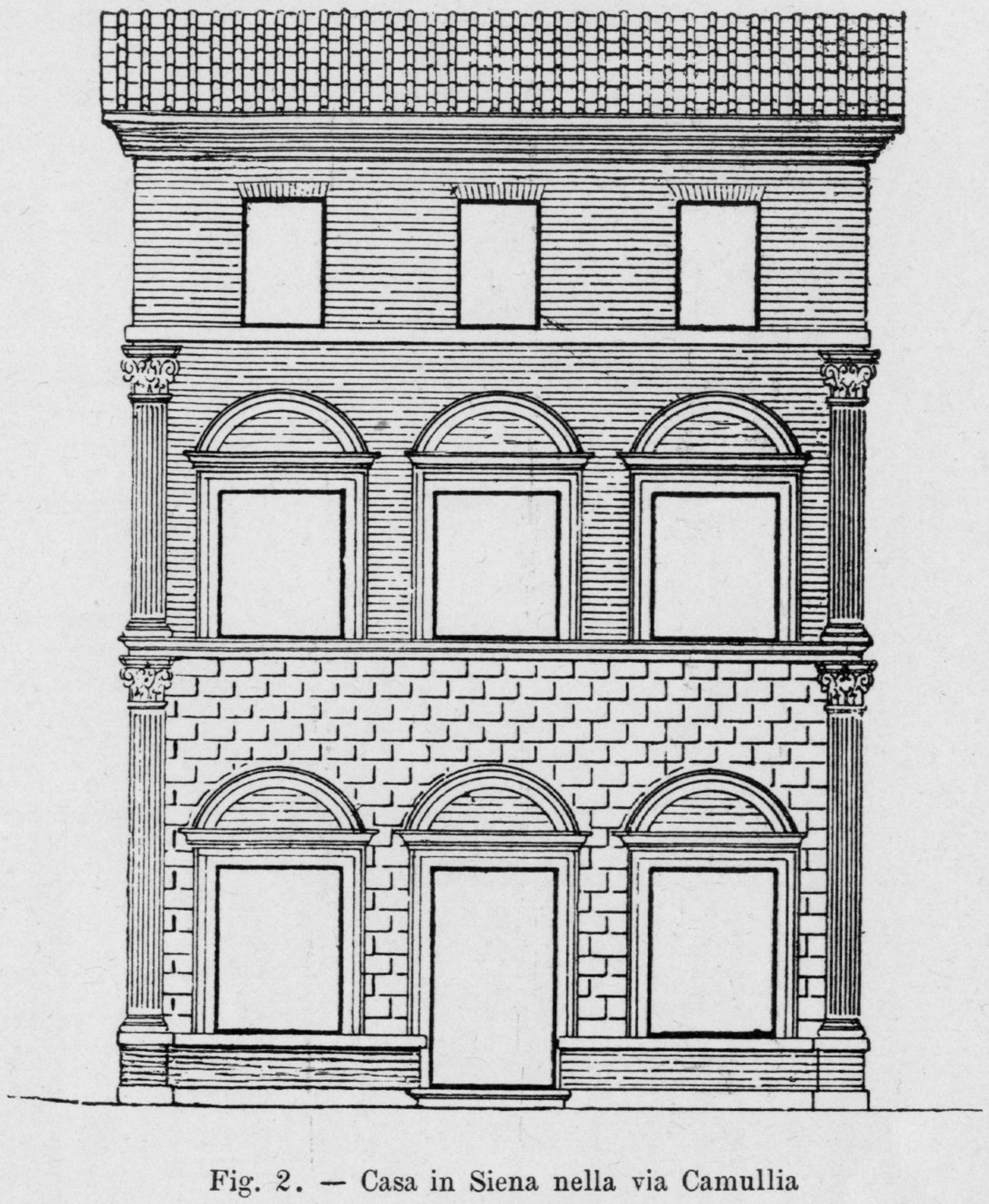


Fig. 2. — Casa in Siena nella via Camullia (sec. XV).

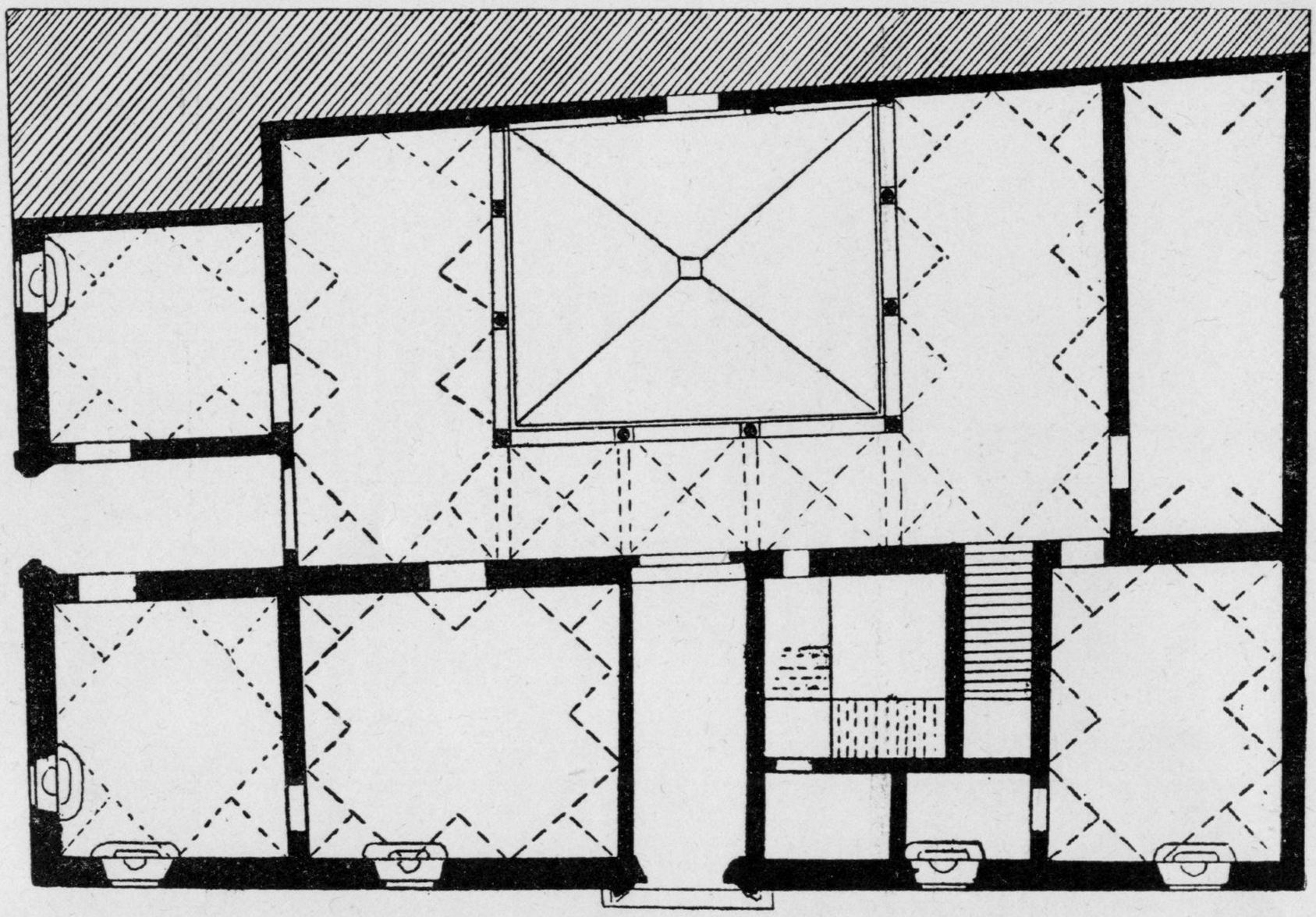


Fig. 3. — Pianta del palazzo Pazzi in Firenze (sec. XV).

Proprietà artistica.

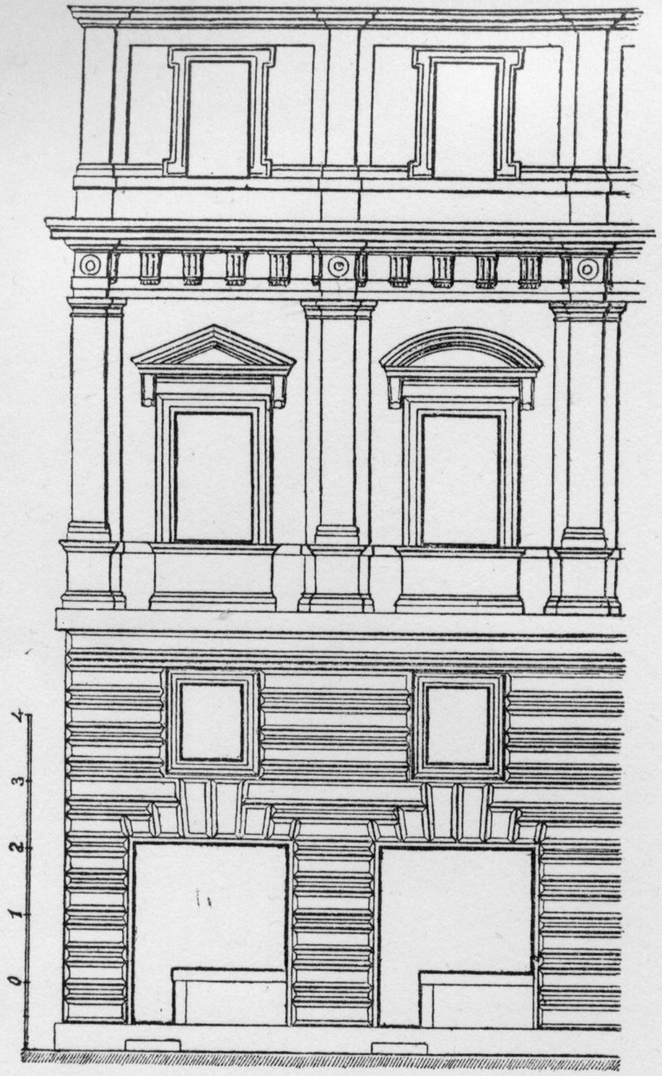


Fig. 3. — Angolo della casa Costa in Roma (architettura di Raffaello).

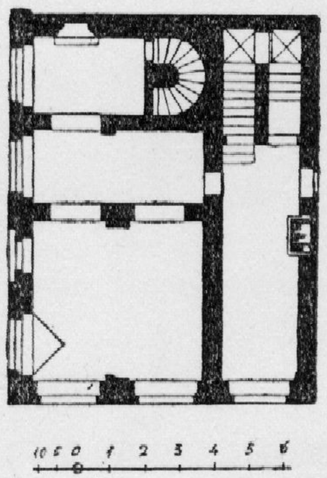


Fig. 2. — Pianta della casa in via Governo Vecchio.

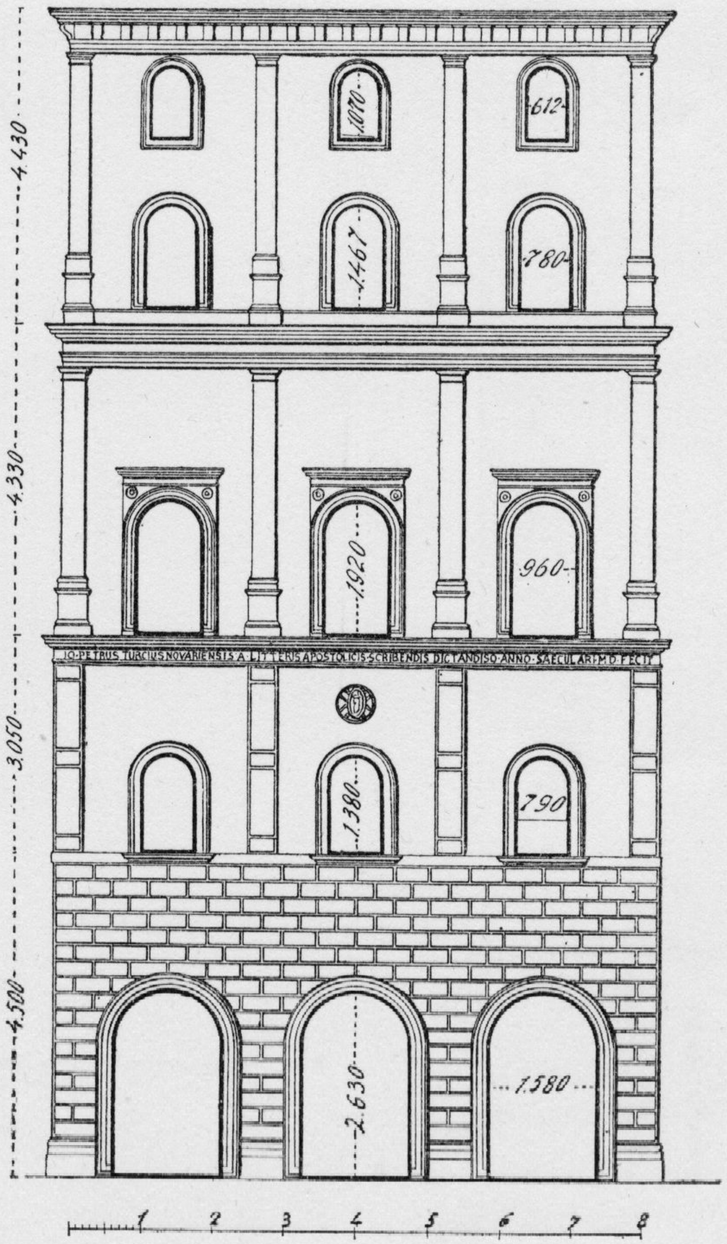


Fig. 1. — Prospetto di una casa in Roma, via Governo Vecchio (attribuito al Bramante).

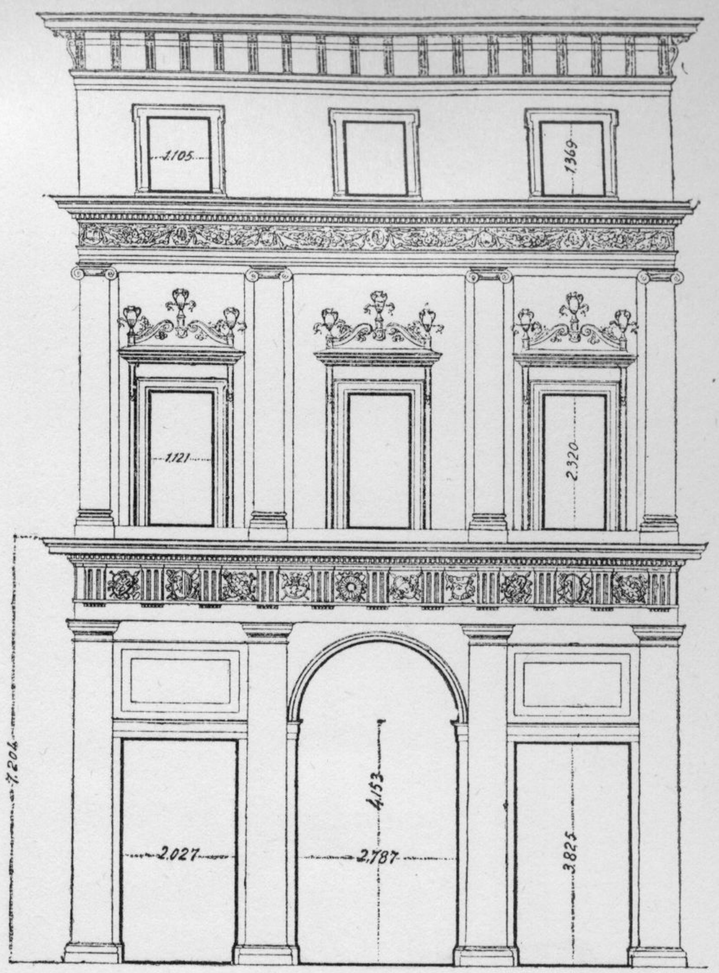


Fig. 4. — Prospetto di una casa, ora demolita, al Circo Agonale in Roma (architettura del Vignola).

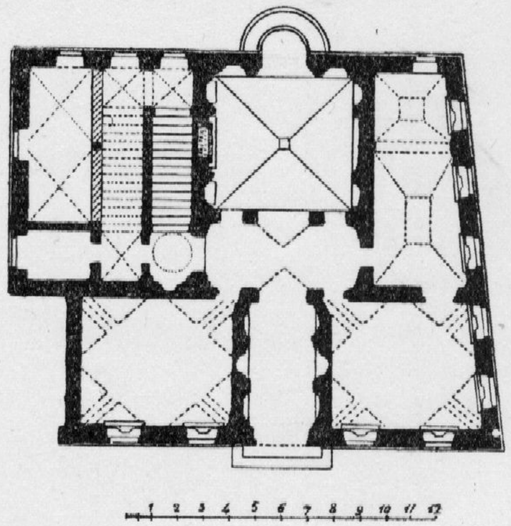


Fig. 5. — Pianta del palazzetto Regis in Roma.

Proprietà artistica.

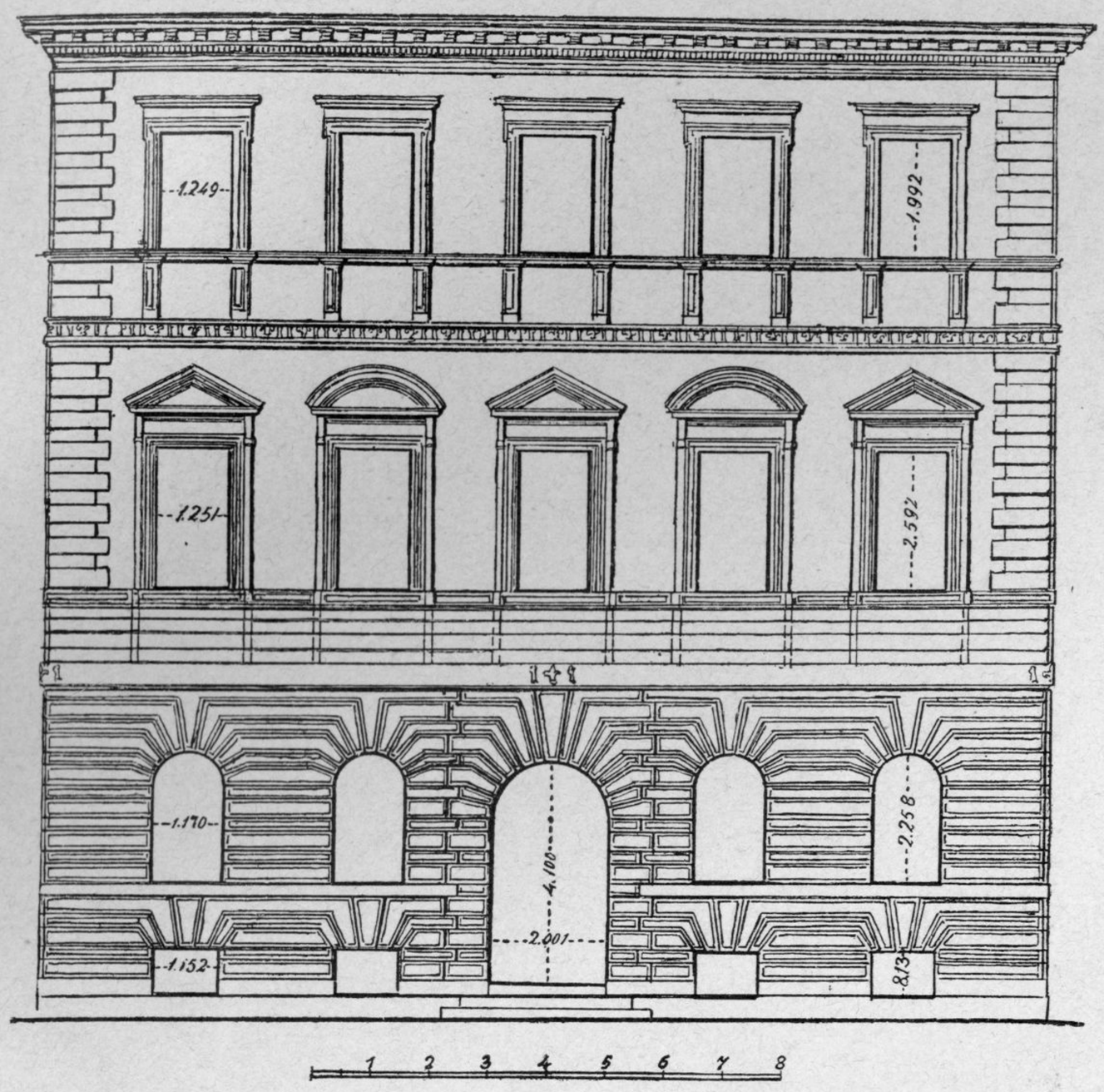


Fig. 1. — Prospetto del palazzetto Regis in Roma (Farnesina ai Baulari) attribuito ad Antonio da Sangallo.

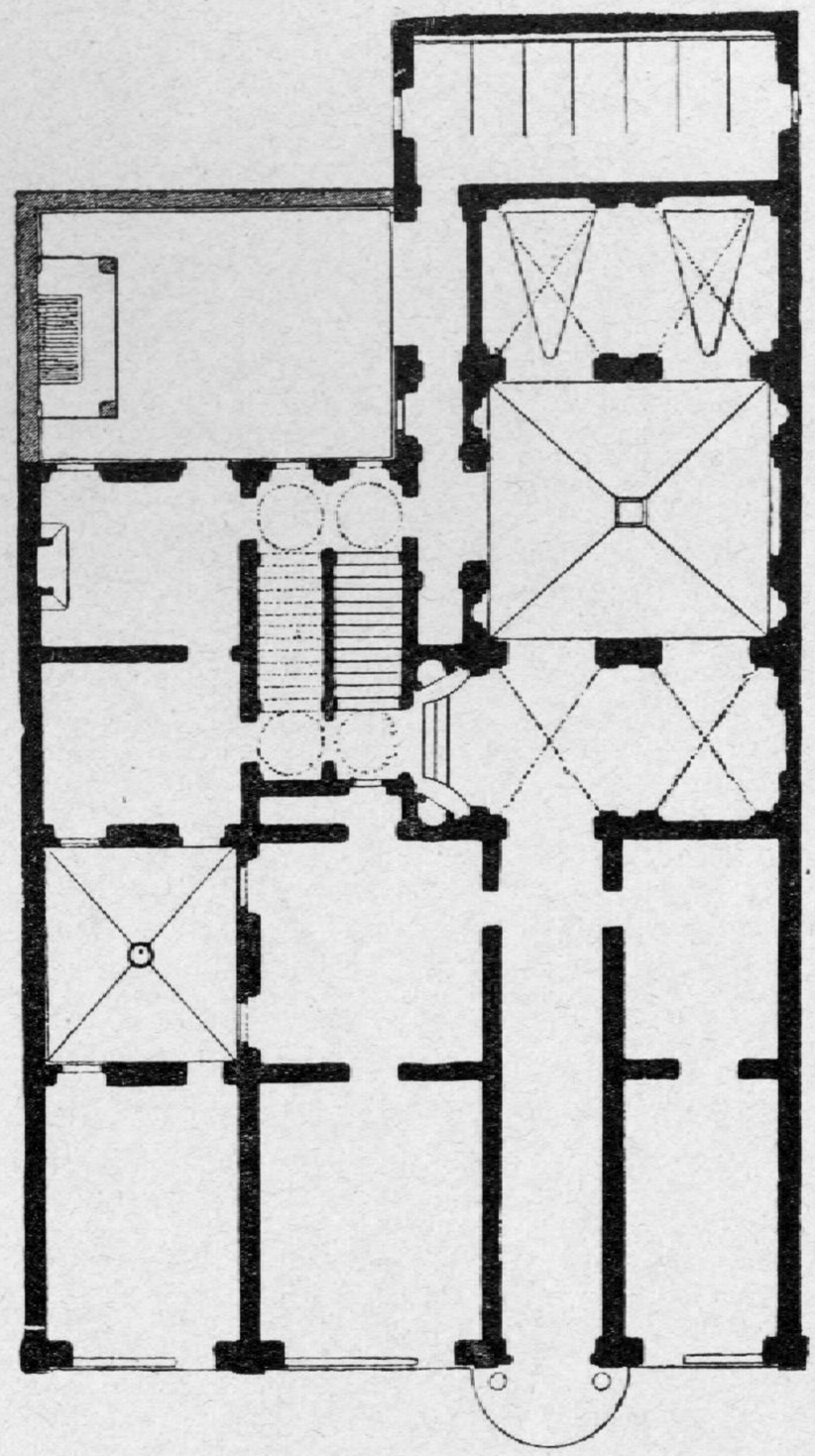


Fig. 2.

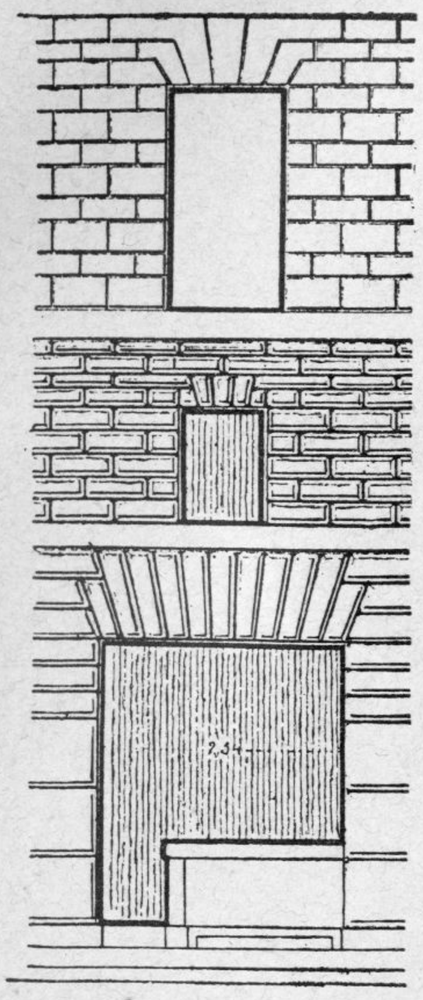


Fig. 4. — Zona basamentale di una casa in via del Governo Vecchio in Roma.

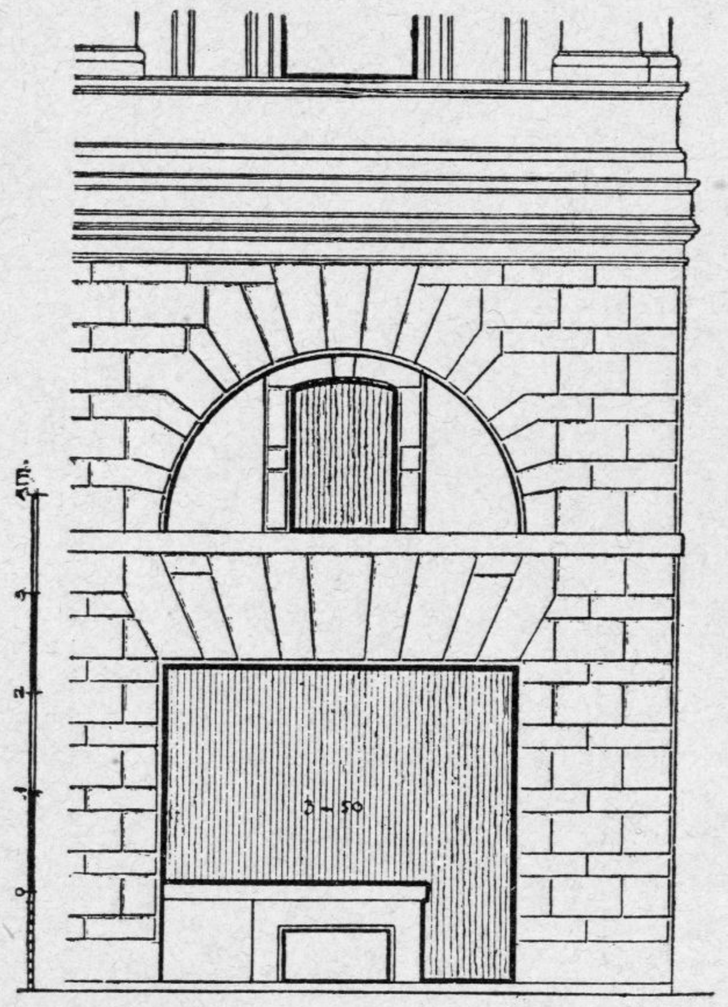


Fig. 5. — Zona basamentale del palazzo Alberini in Roma (di Giulio Romano).

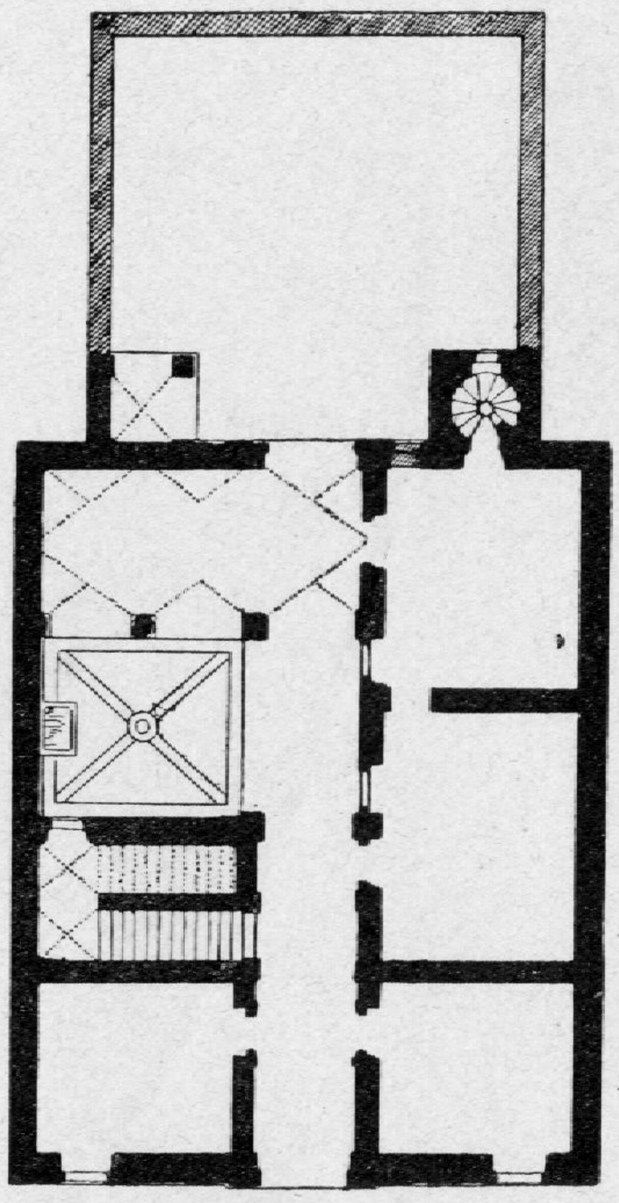


Fig. 2 e 3.
Piante di case del Rinascimento.

Proprietà artistica.

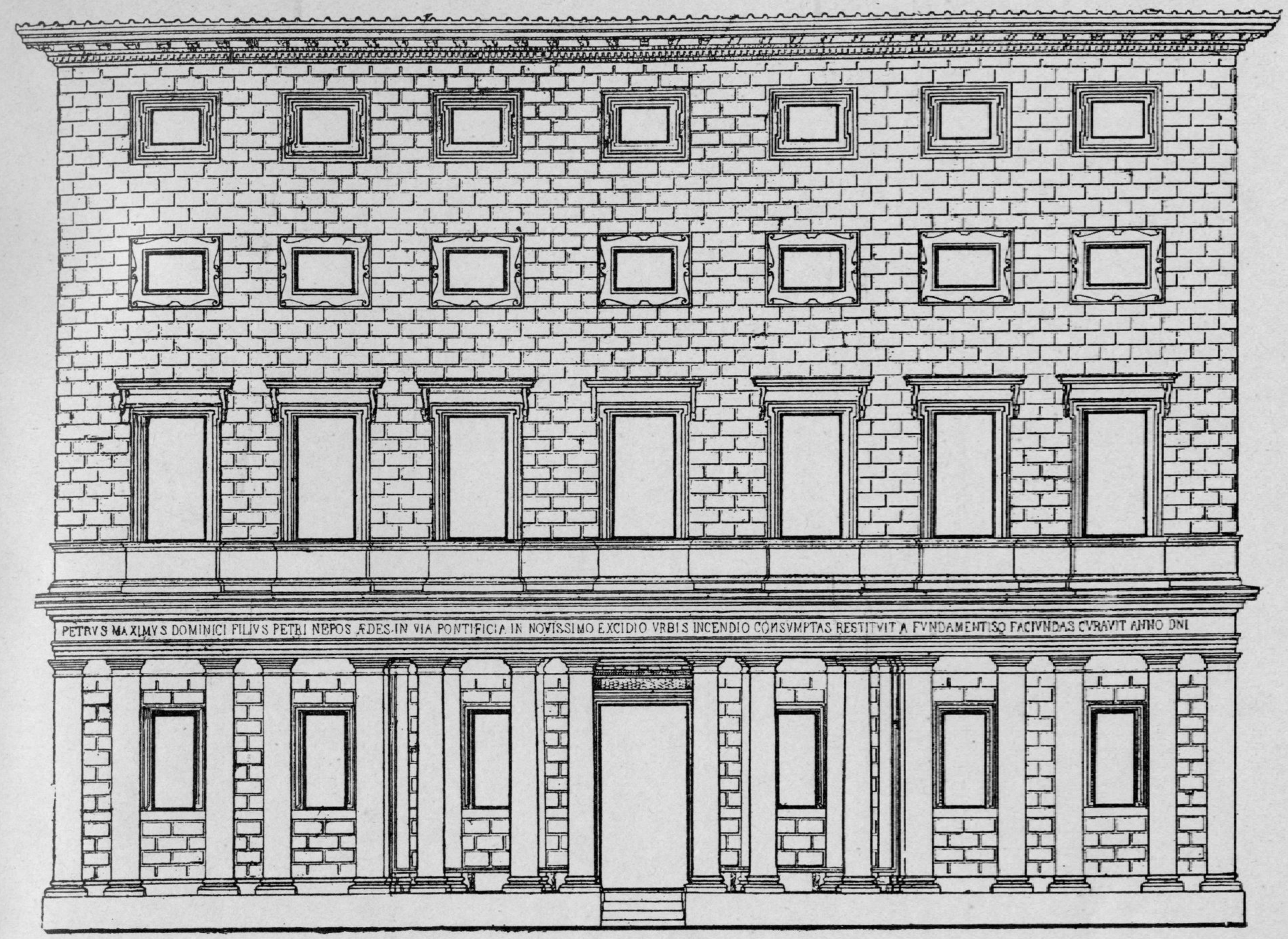


Fig. 1. — Prospetto del palazzo Massimi in Roma (B. Peruzzi).

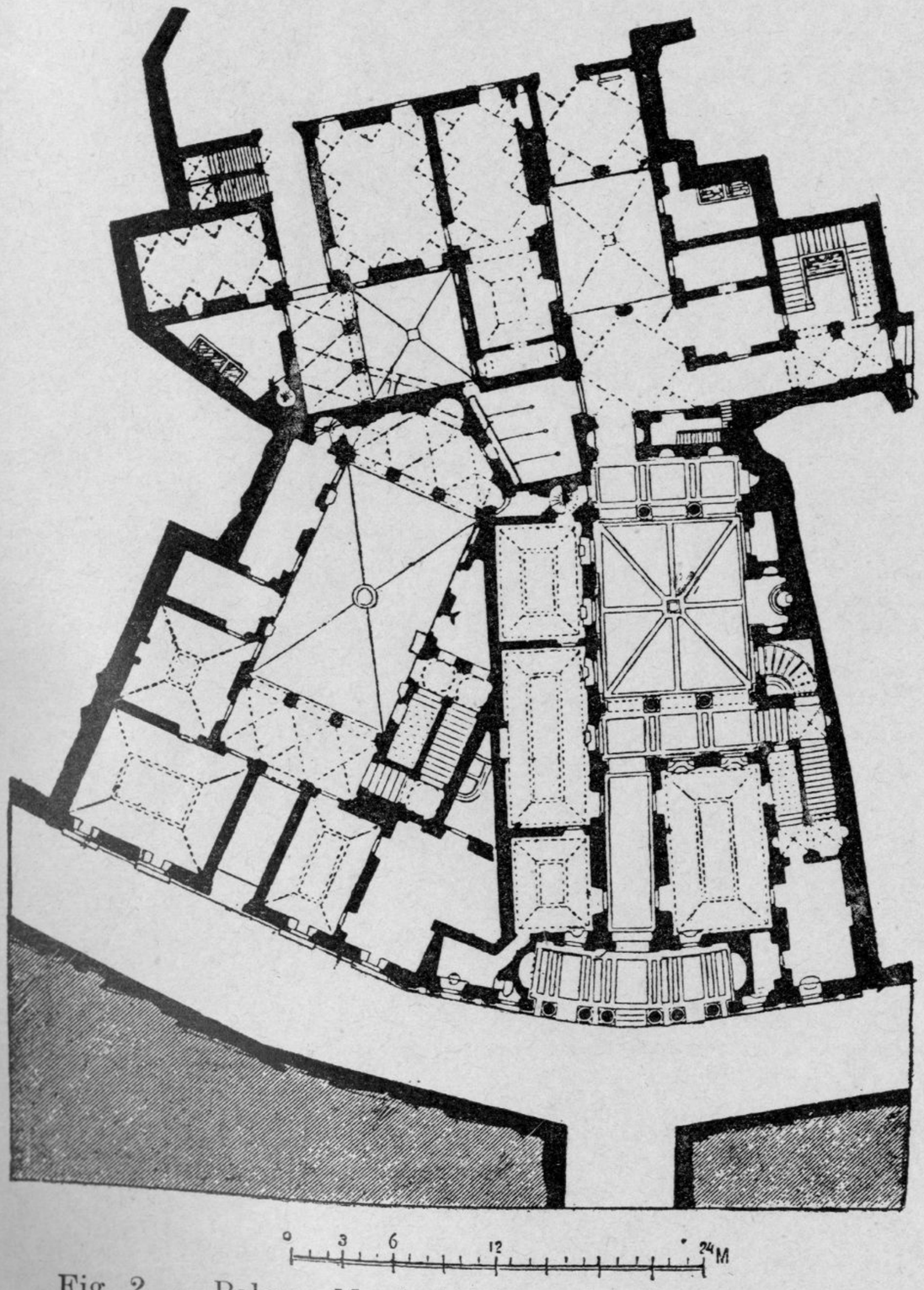


Fig. 2. — Palazzo Massimi. Pianta del piano terreno.

Fig. 3. — Palazzo Massimi. Vista del cortile.

Proprietà artistica.

Tavola XI.

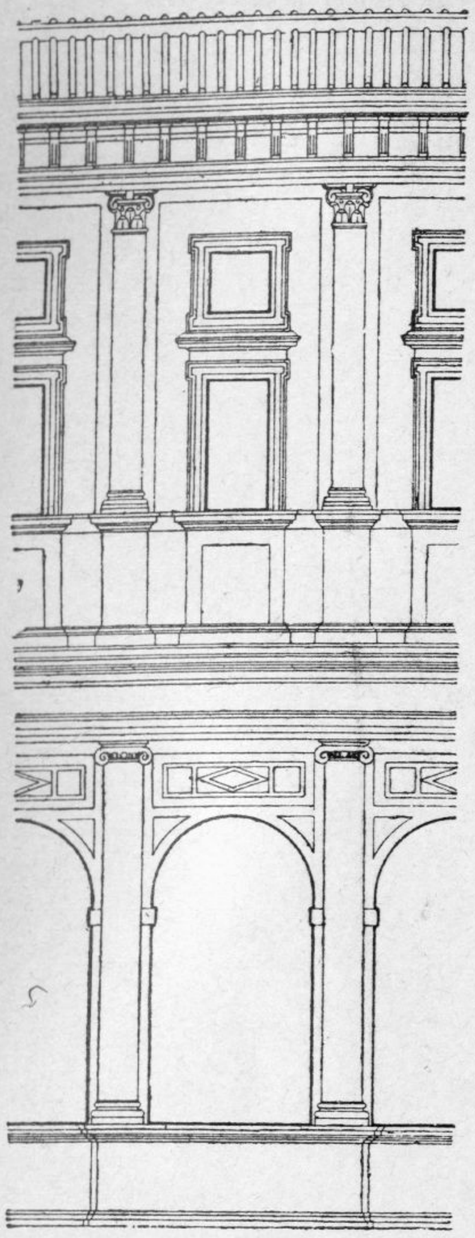


Fig. 1. — Ordinamento Vignolesco (Palazzo Farnese in Caprarola).

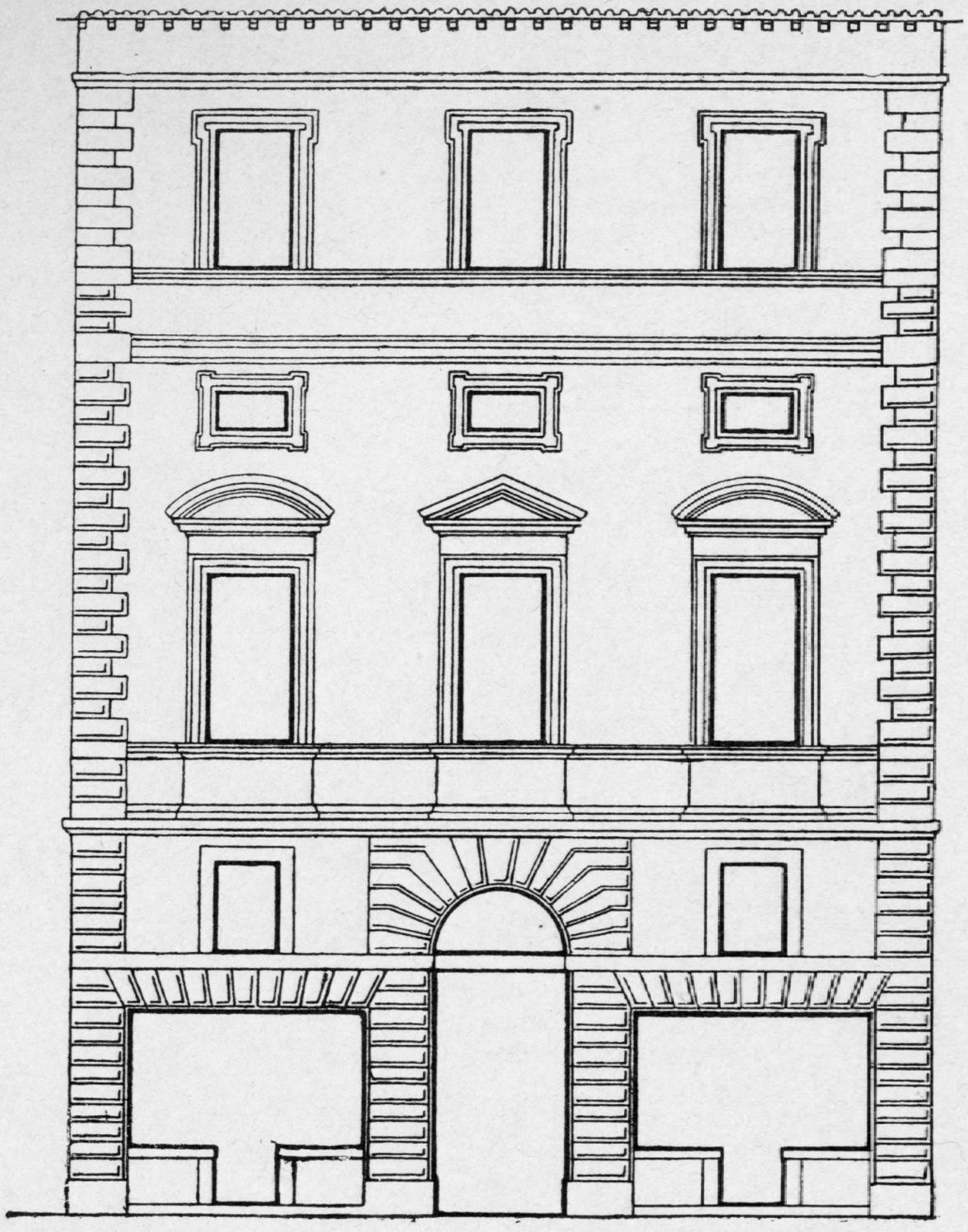


Fig. 3.
Prospetto e pianta del palazzo Nicolini in Roma, del Sansovino.

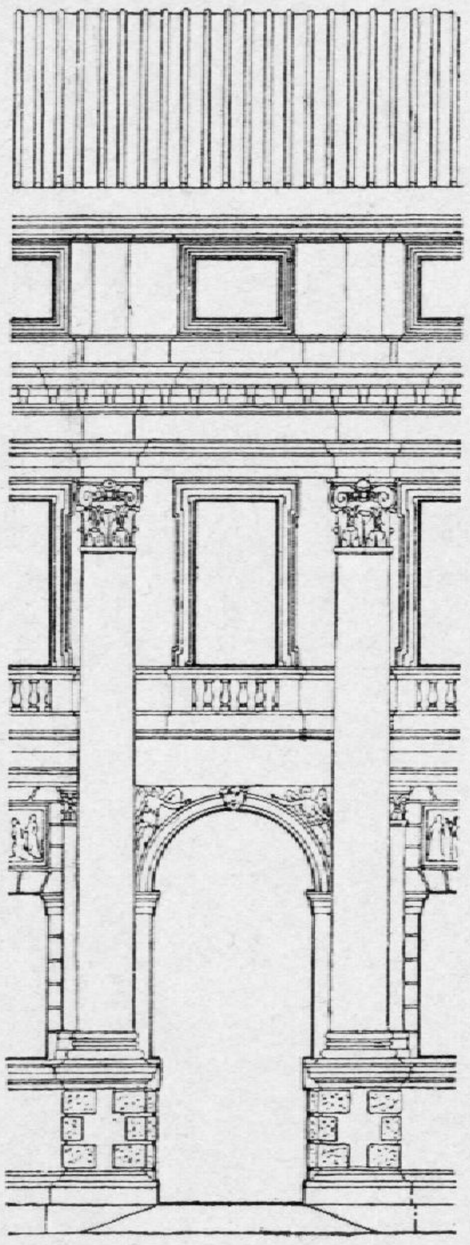
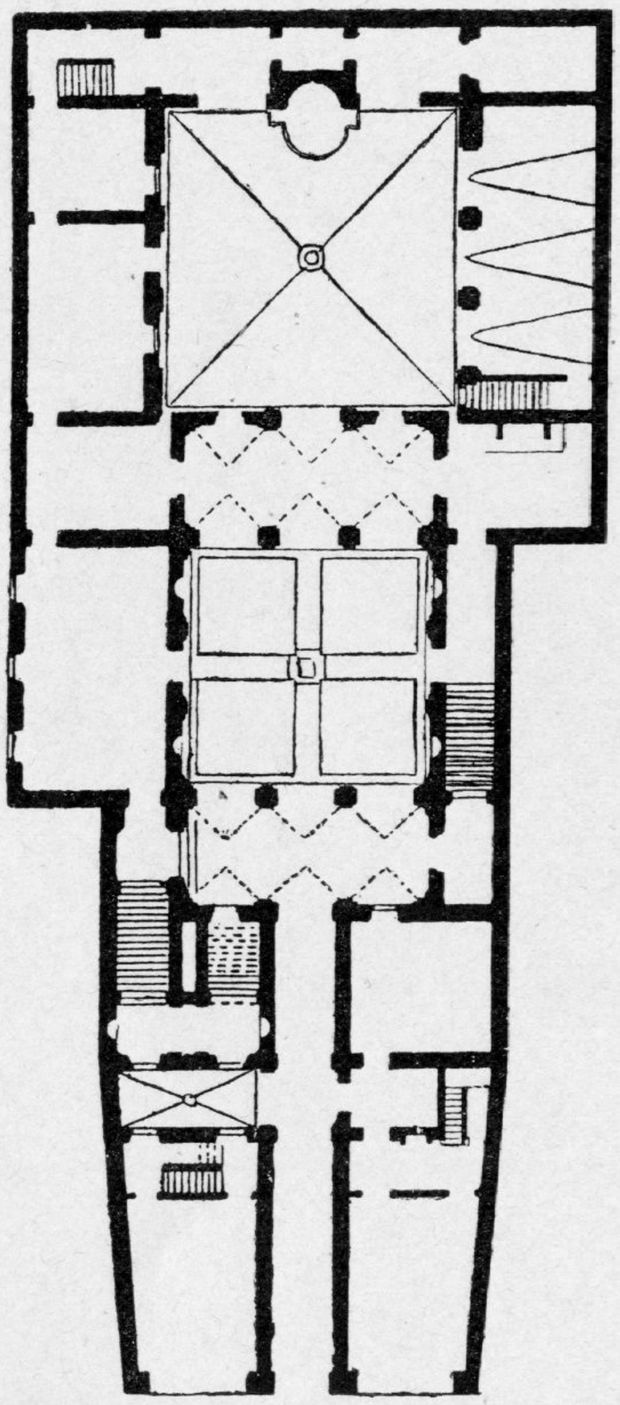


Fig. 2. — Ordinamento Palladiano (Palazzo Valmarana in Vicenza).

Fig. 4.



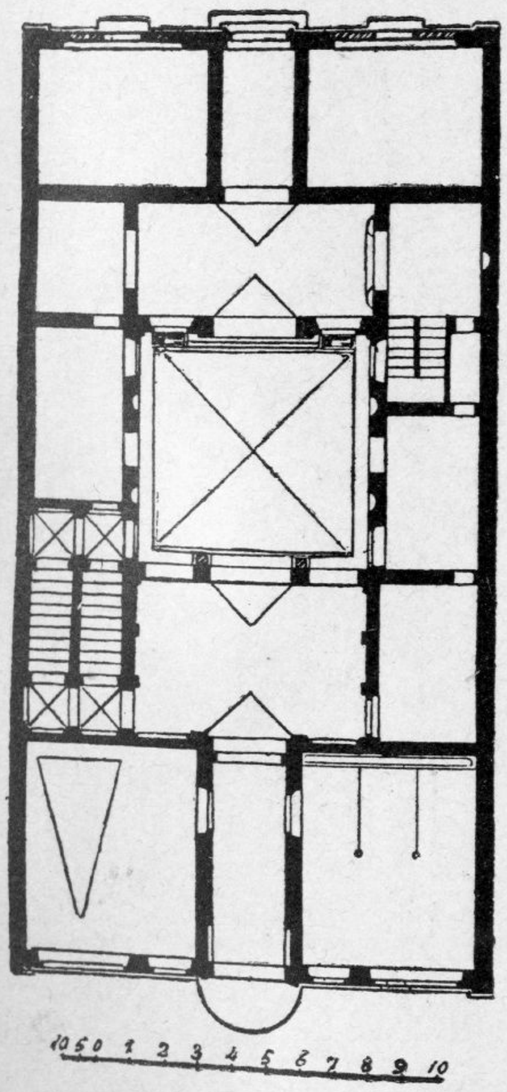


Fig. 5. — Pianta di una casa del Rinascimento.

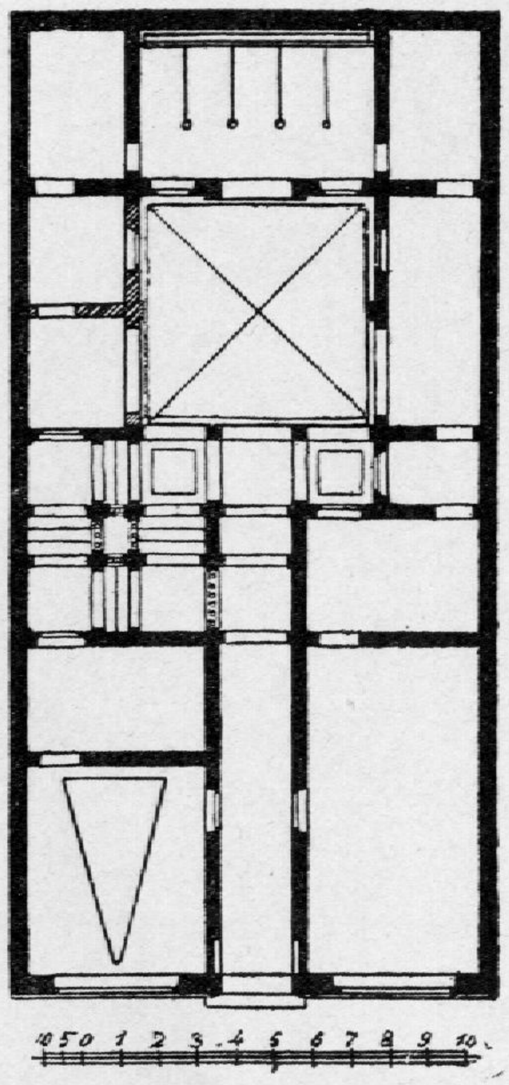


Fig. 6. — Pianta di una casa del Rinascimento.

Proprietà artistica.

Tavola XII.

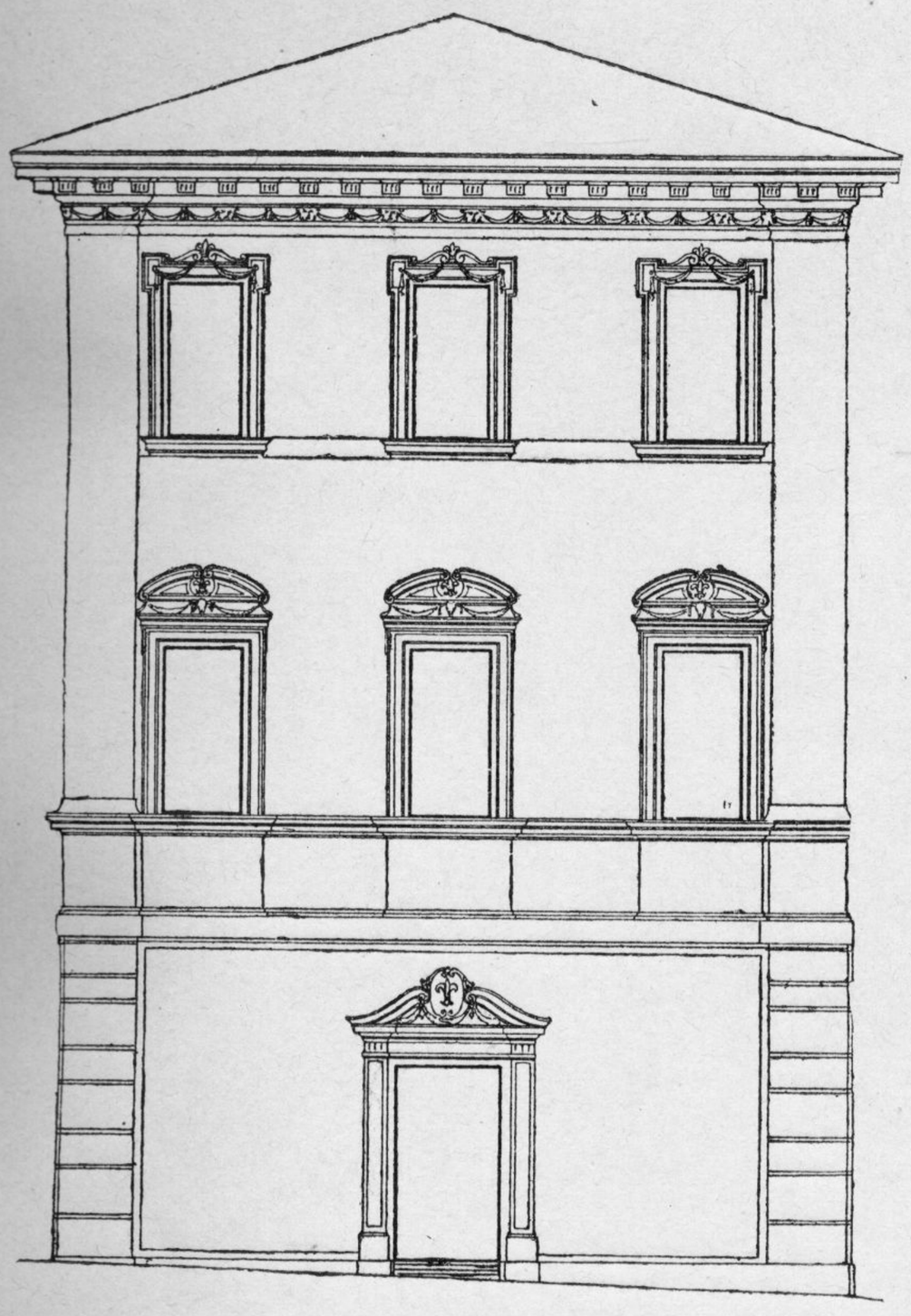


Fig. 1. — Casa della fine del Cinquecento in Roma, piazza S. Eustachio.

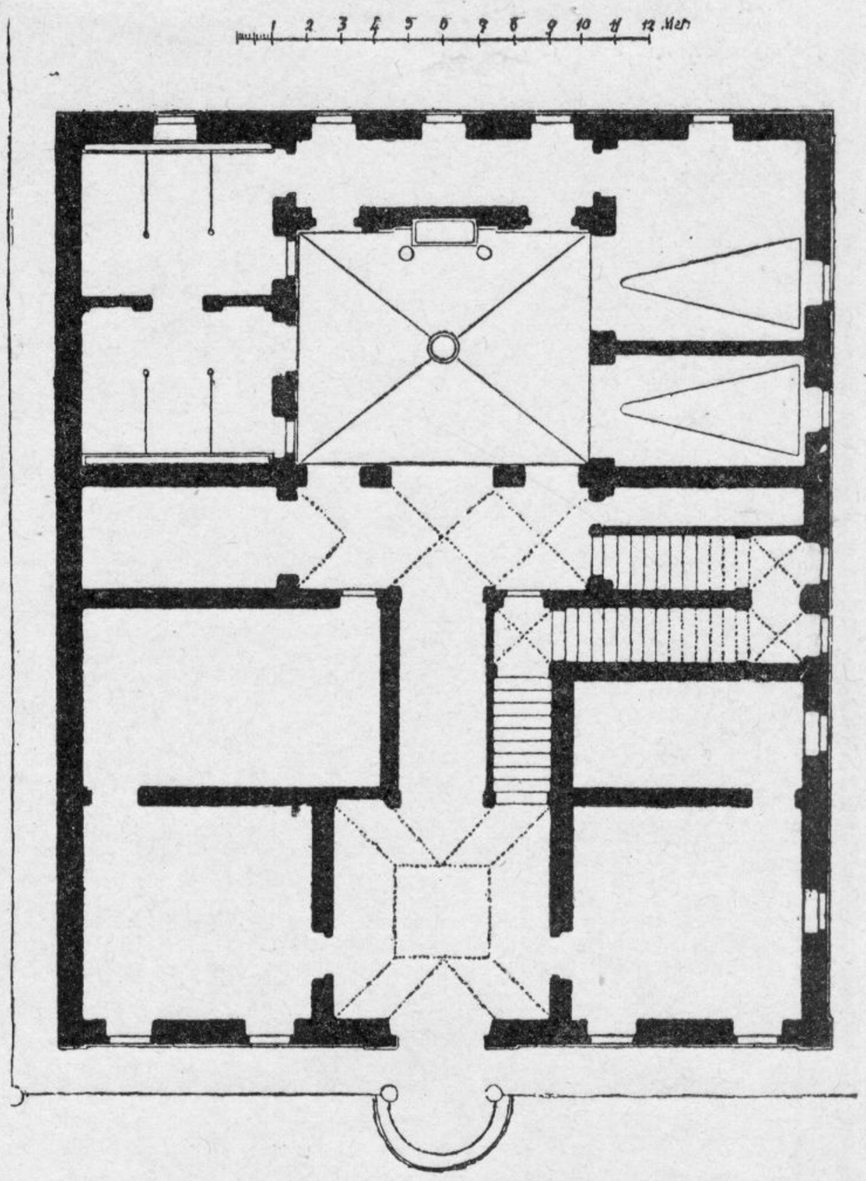


Fig. 2. — Pianta di casa del Rinascimento.

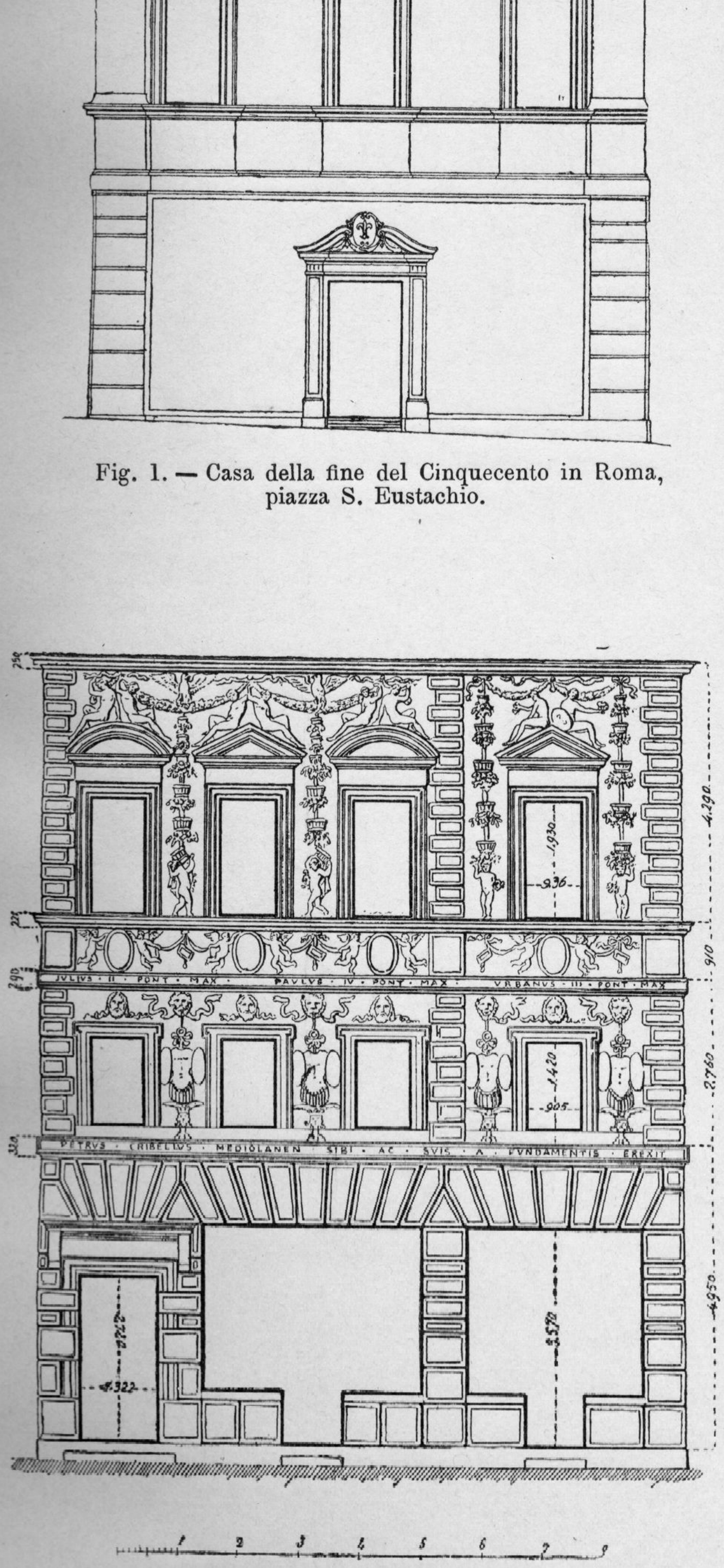


Fig. 3. — Casa della metà del Cinquecento in Roma, Via Banchi Vecchi.

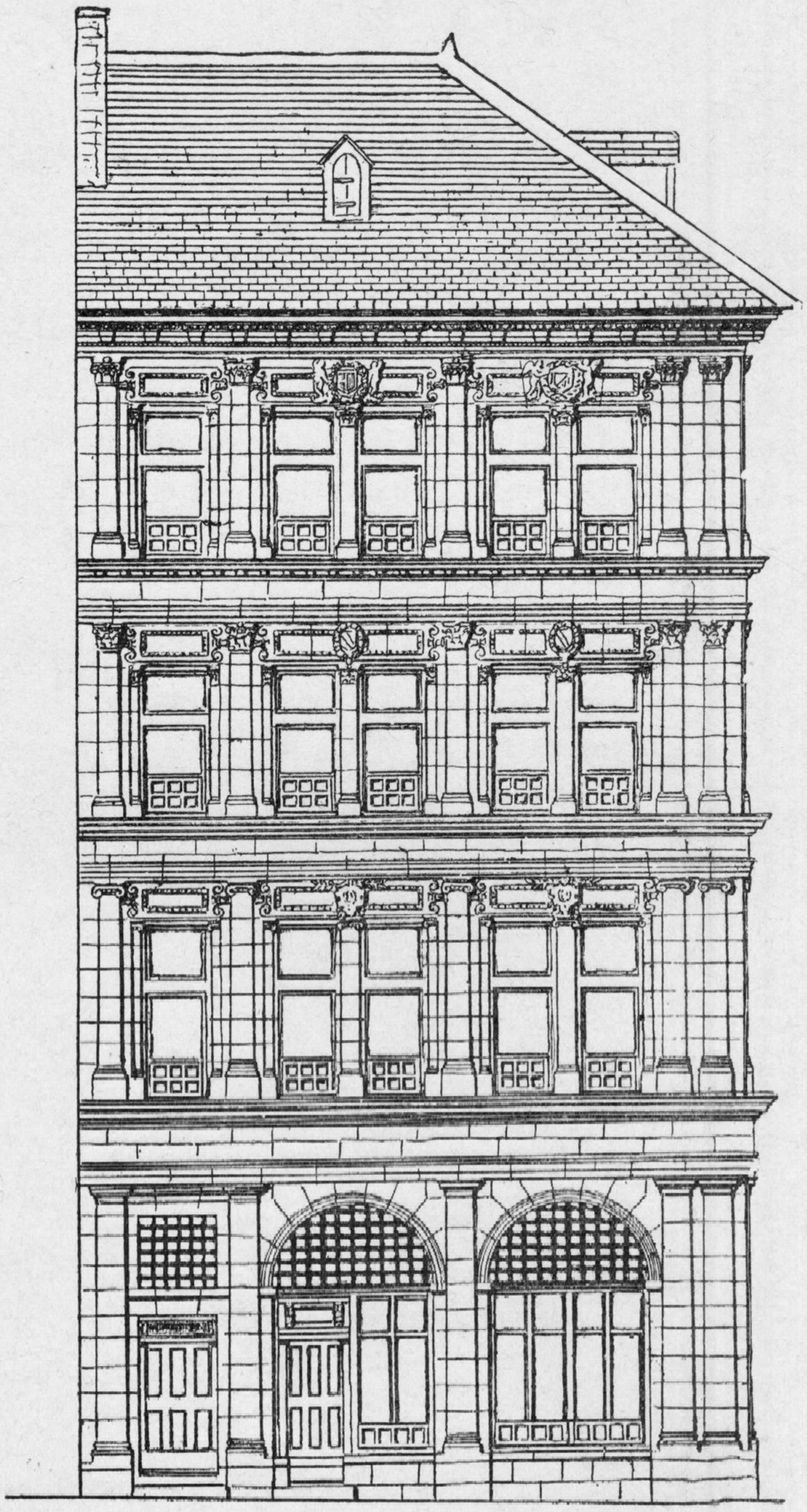


Fig. 4. — Casa Du Cerceau ad Orleans.

Proprietà artistica.

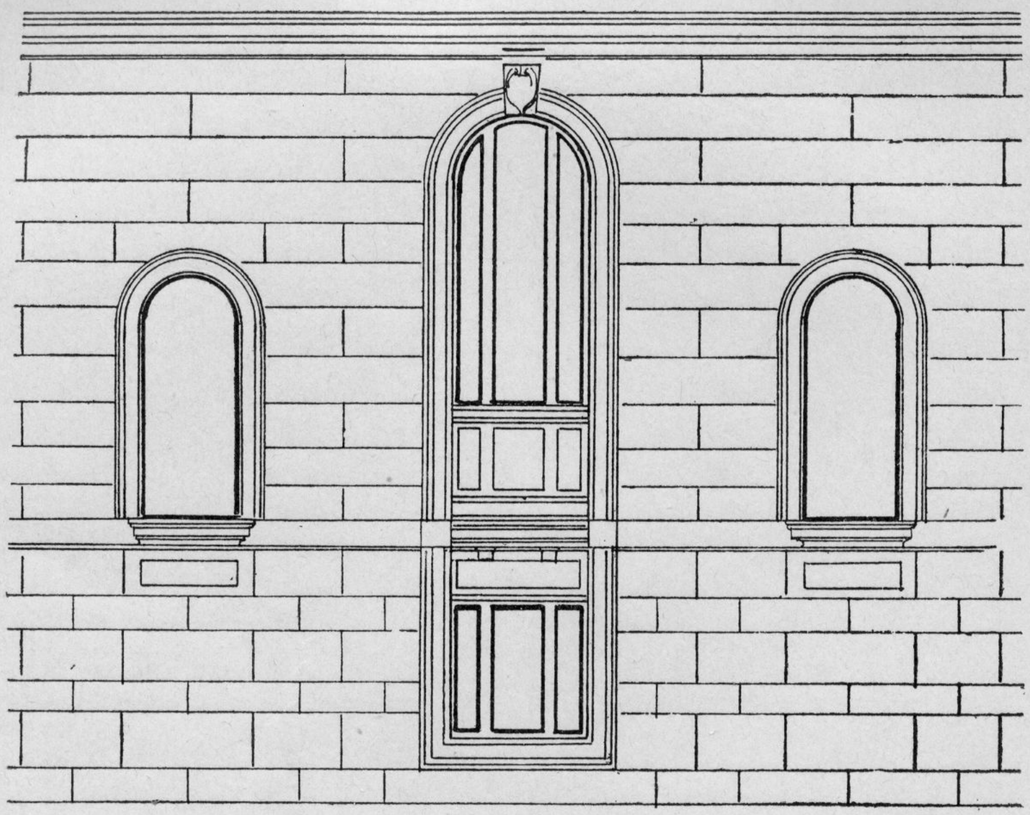


Fig. 1.

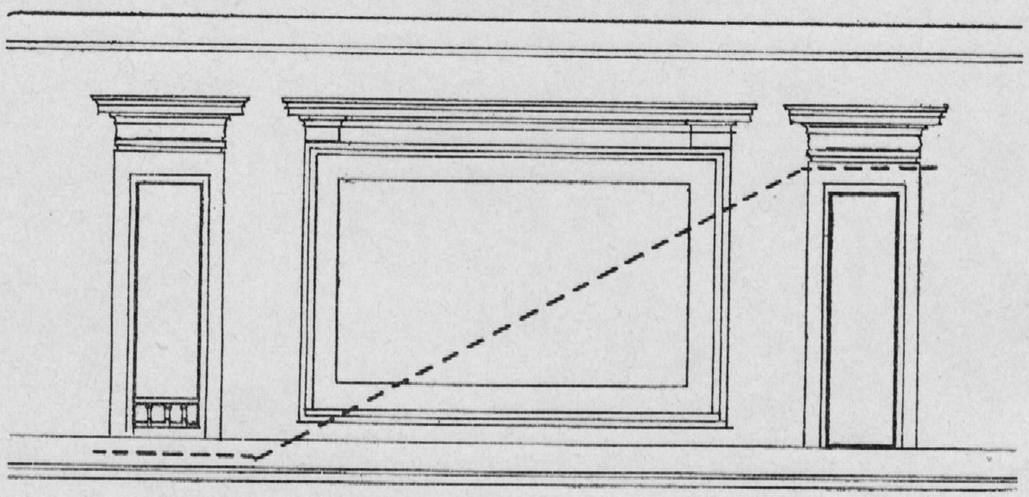


Fig. 2.

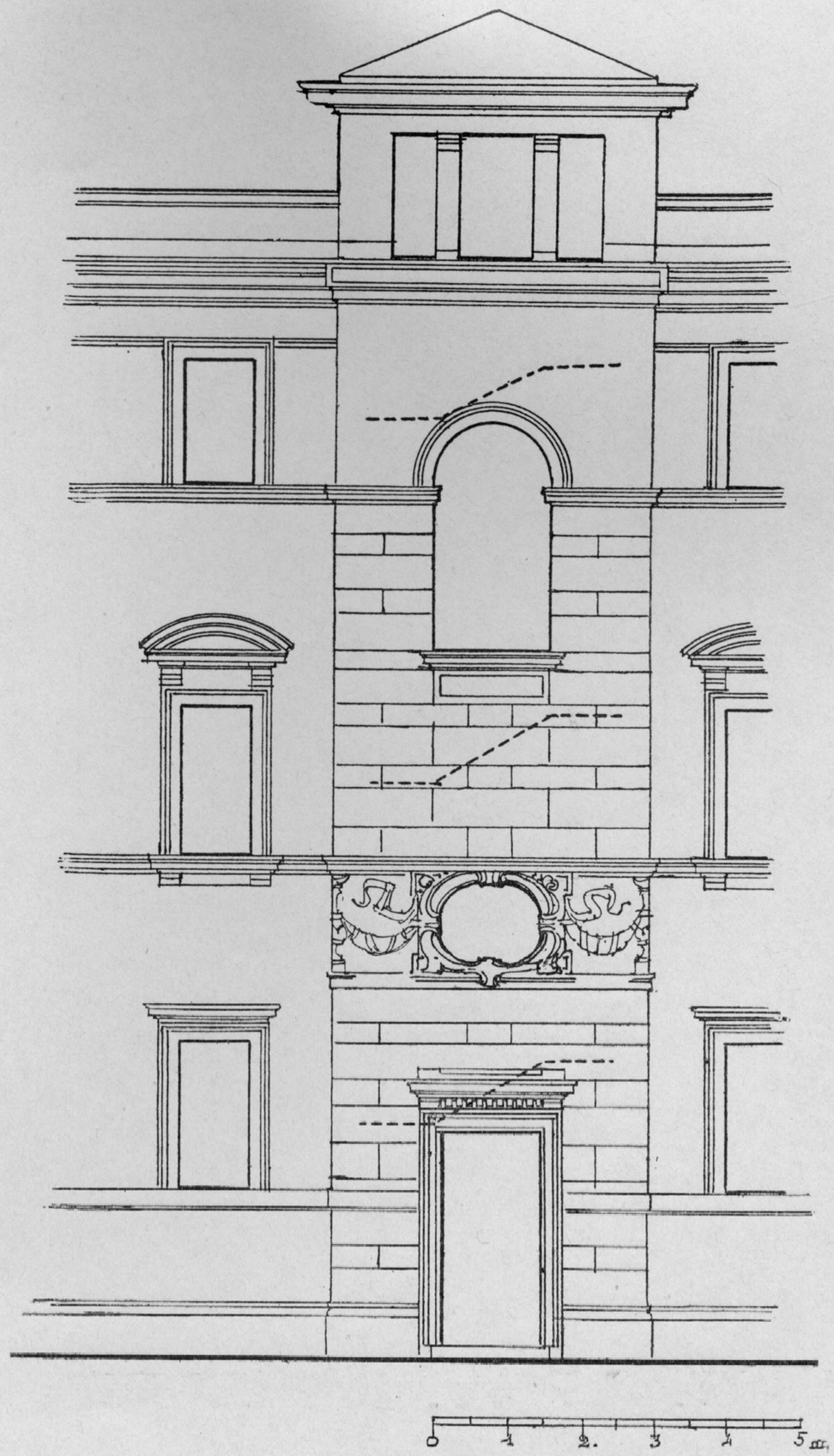


Fig. 3.

Proprietà artistica.

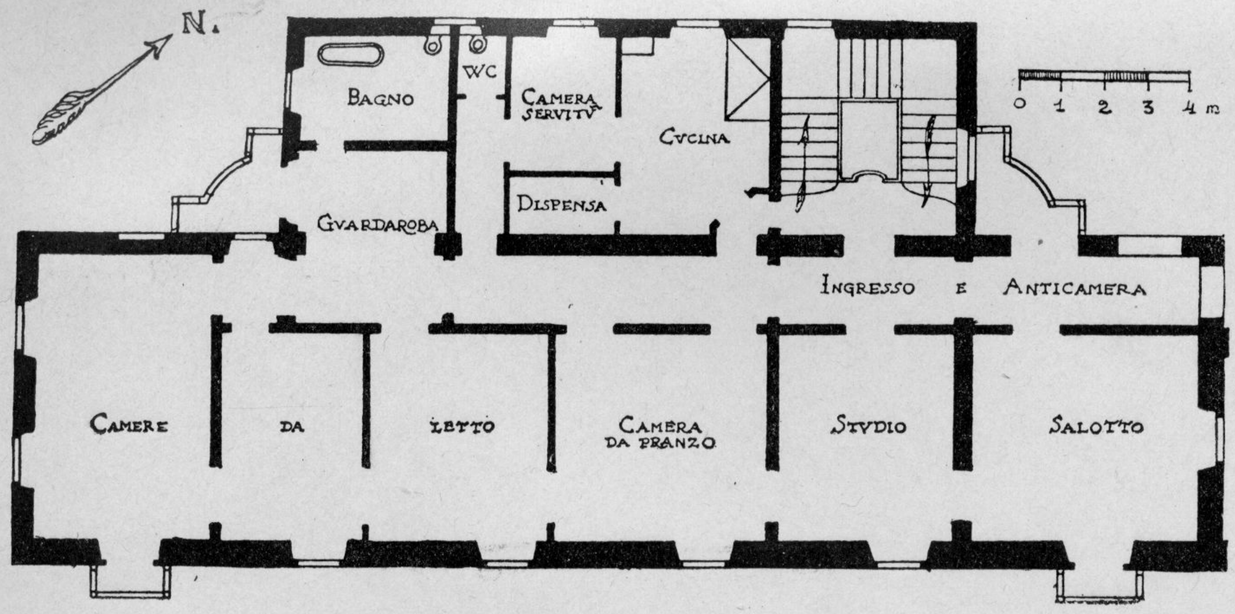


Fig. 2. — Tipo di distribuzione di un appartamento di medio ceto.

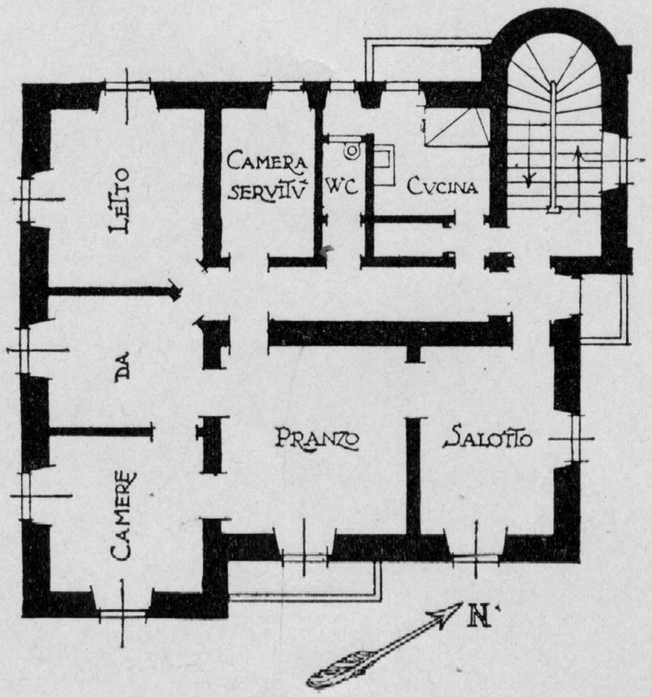


Fig. 1. — Tipo di distribuzione di una modesta casa d'abitazione.

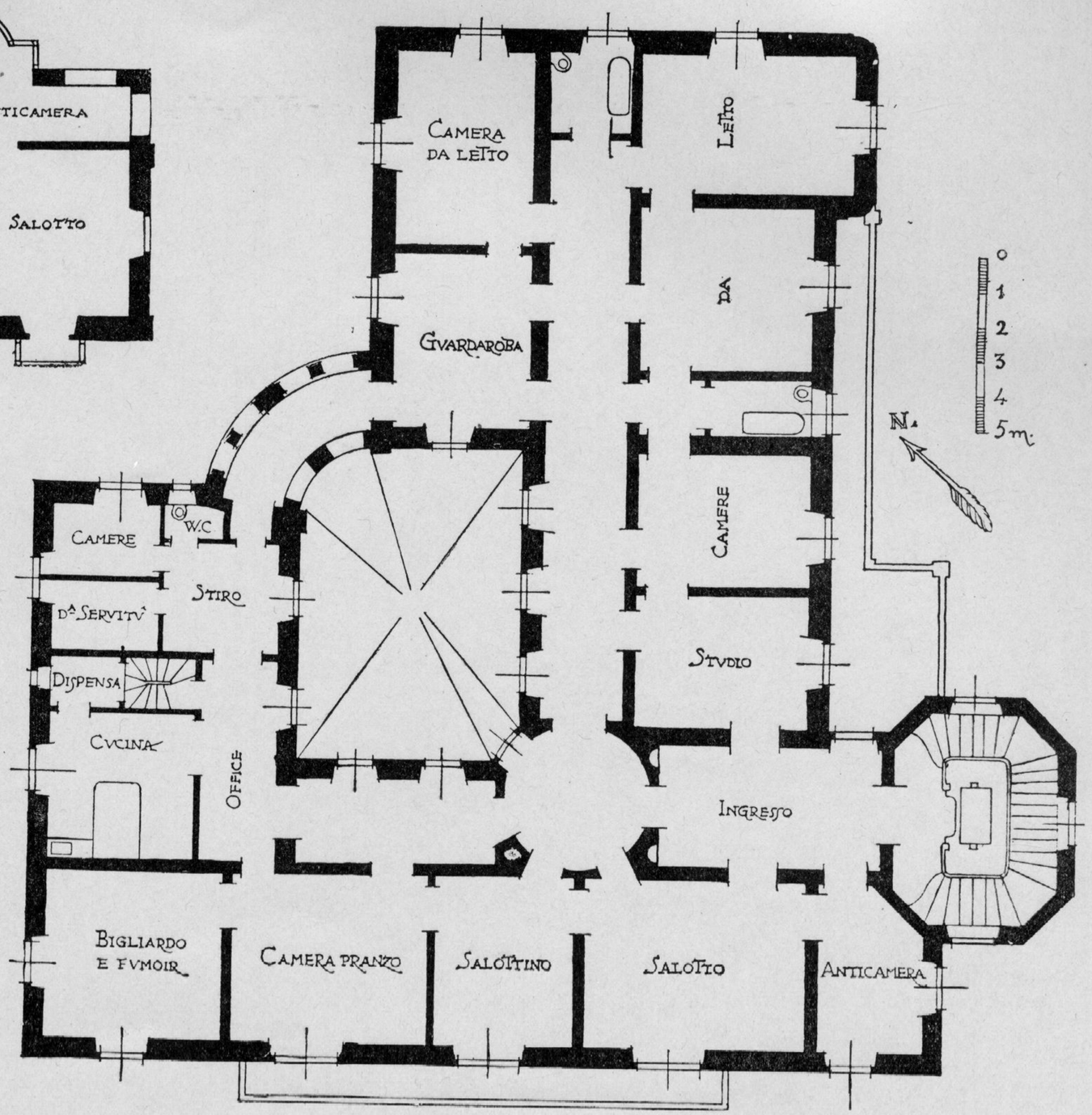


Fig. 3. — Tipo di distribuzione di un appartamento signorile.

Proprietà artistica.

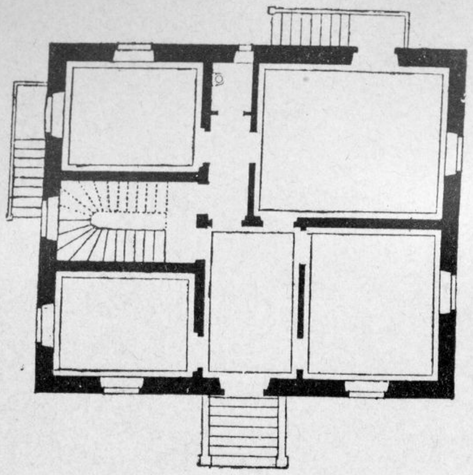


Fig. 1.

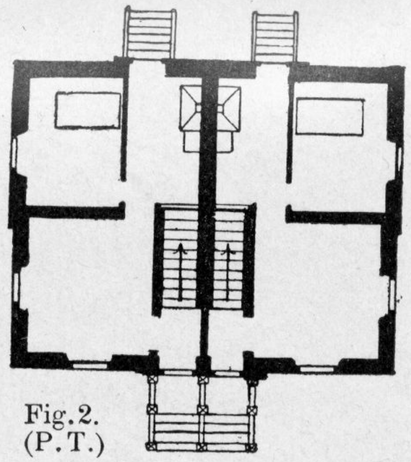


Fig. 2.
(P. T.)

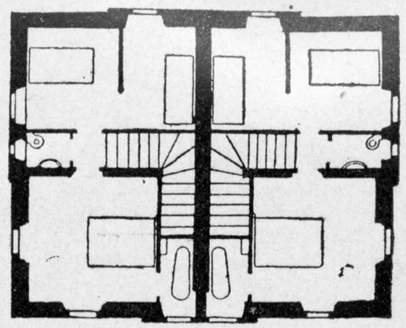


Fig. 2′ (P. 1°).

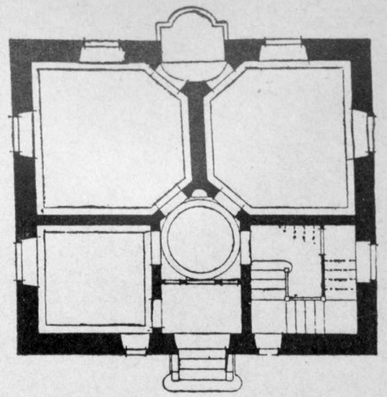


Fig. 3.

Tipi vari di casette e villini a pianta rettangolare.
Scala 1 : 300.

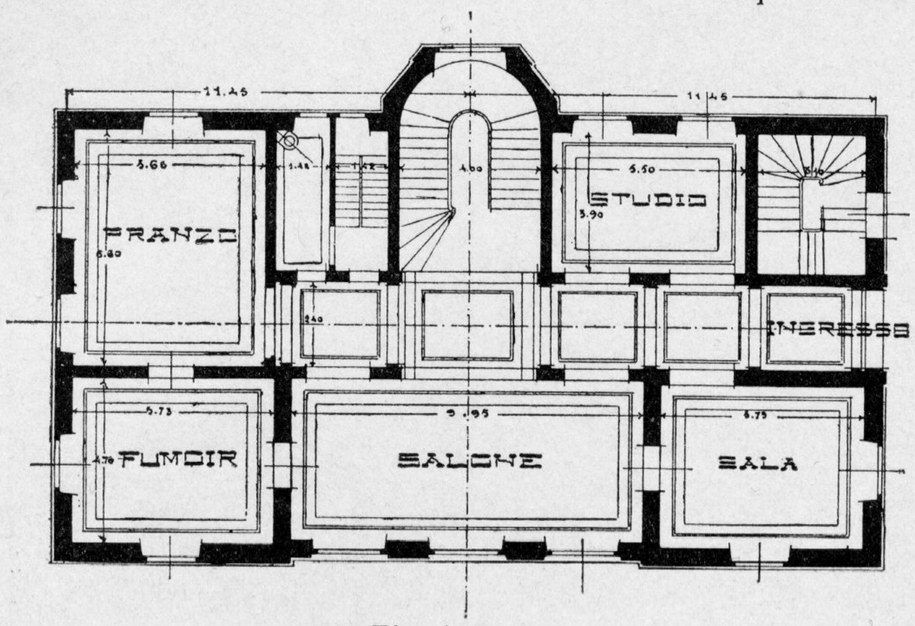


Fig. 4 (P. T.).

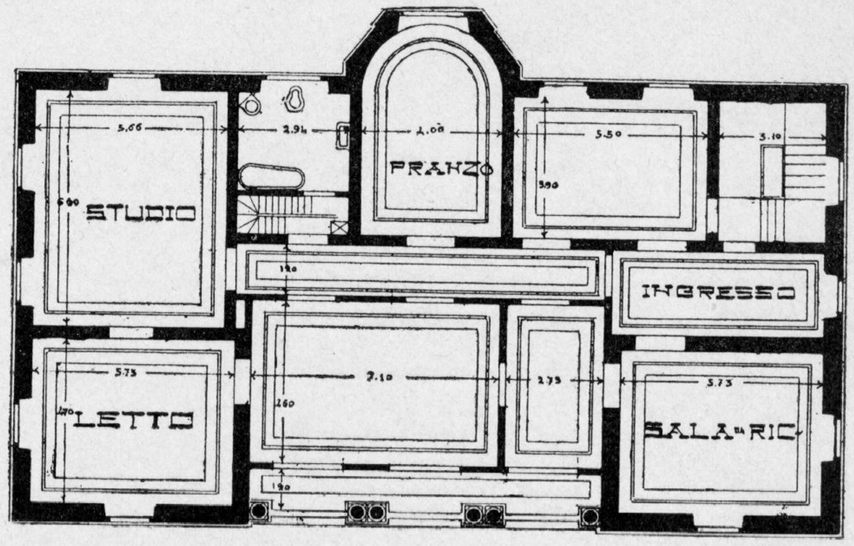


Fig. 4′ (P. 2°).

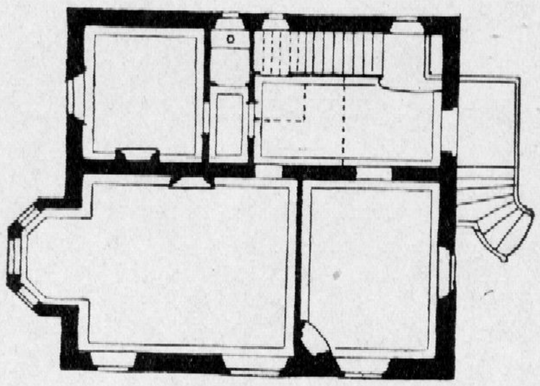


Fig. 5.

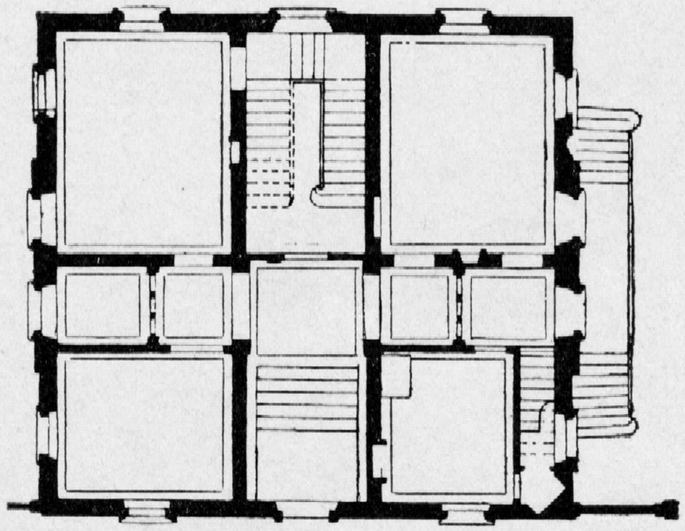


Fig. 6.

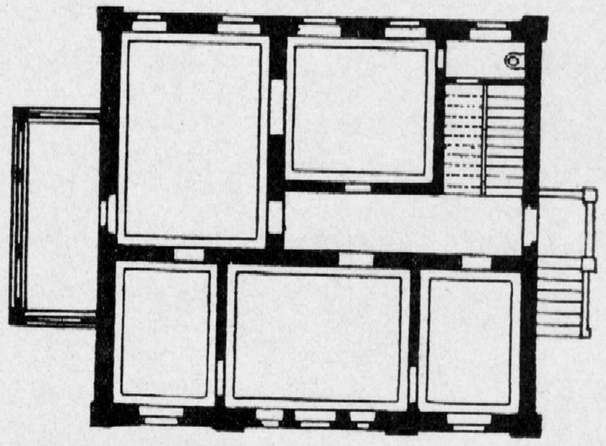


Fig. 7.

Proprietà artistica.

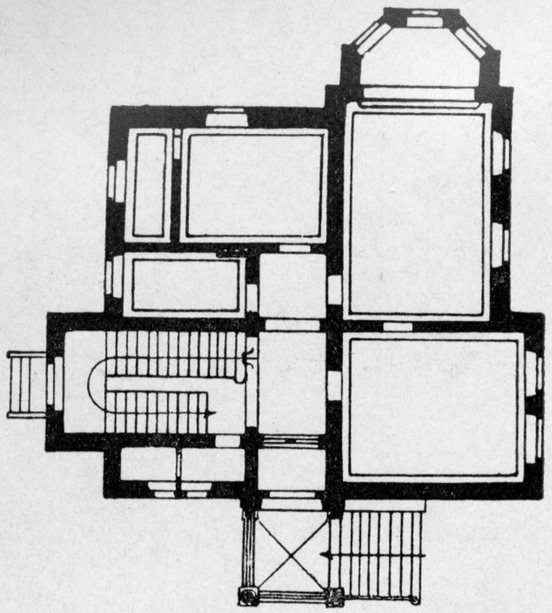


Fig. 1.

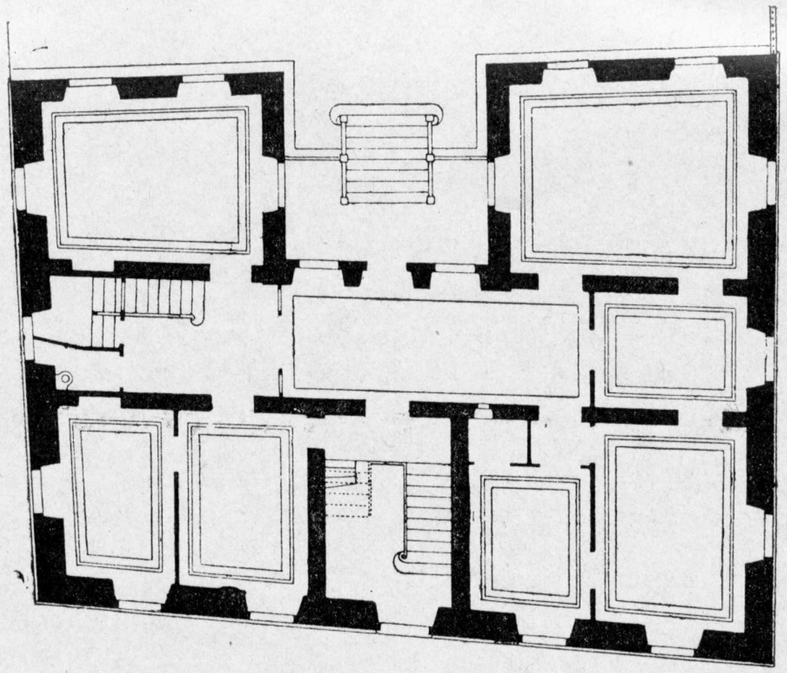


Fig. 2.

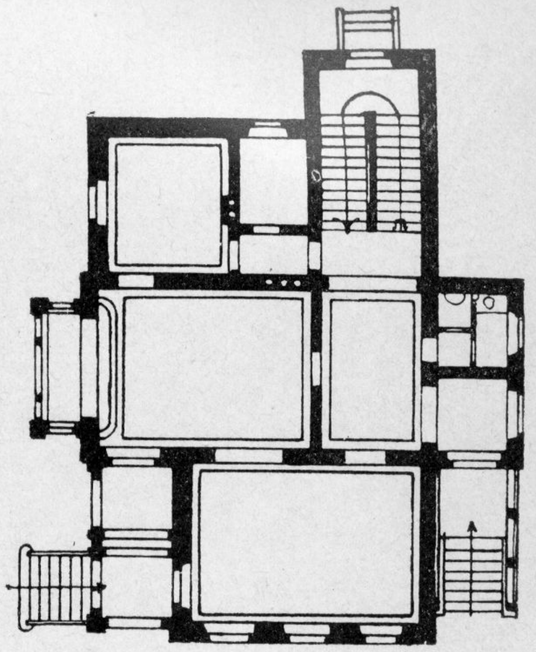


Fig. 3.

Tipi vari di villini semiregolari ed irregolari.
Scala 1 : 300.

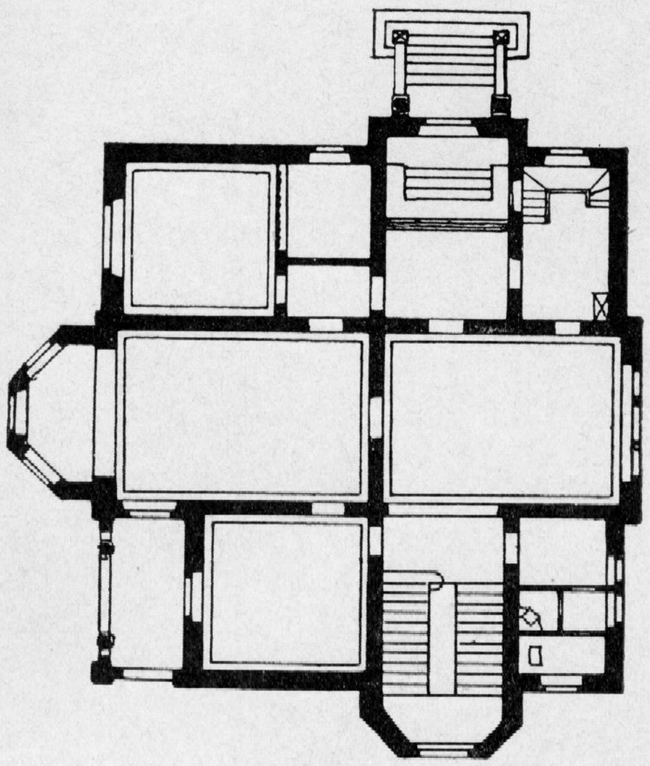


Fig. 4.

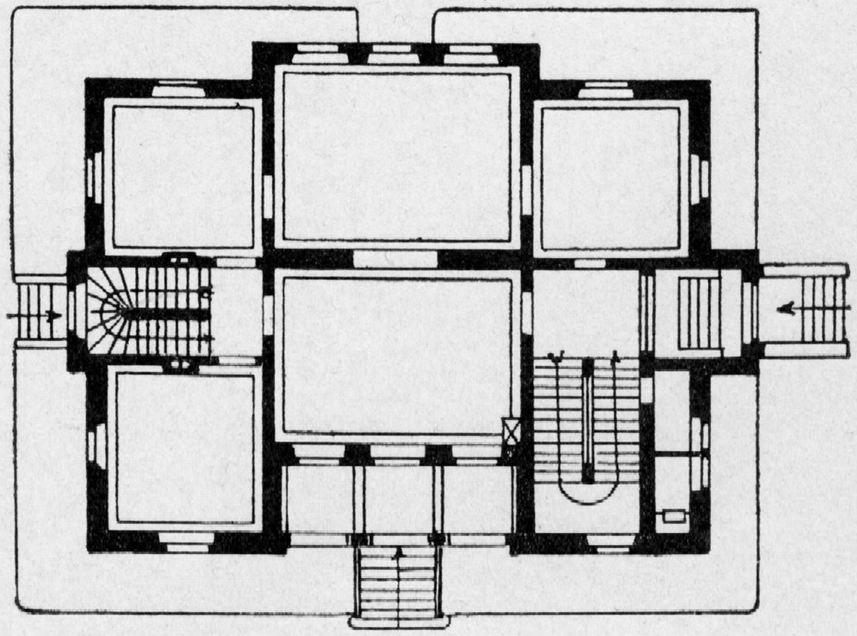


Fig. 5.

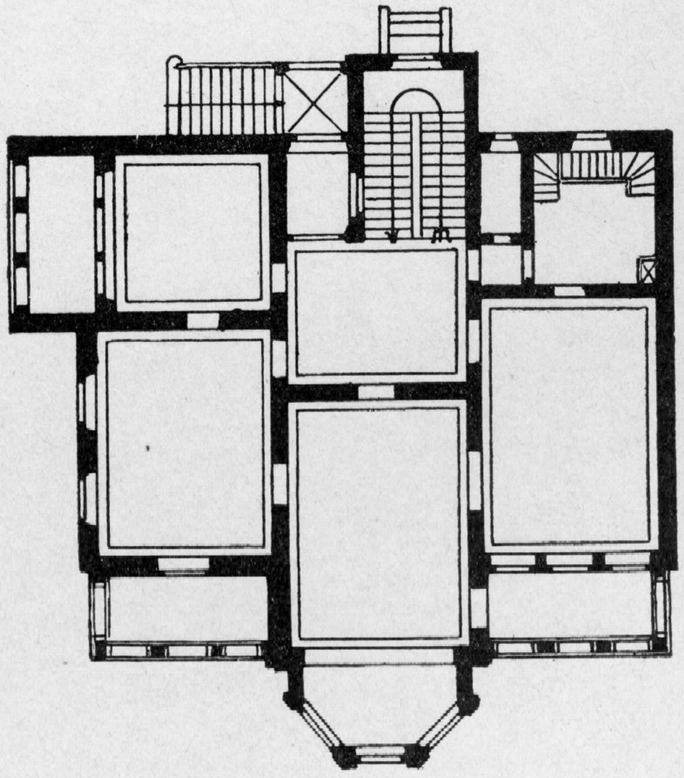


Fig. 6.

Proprietà artistica.

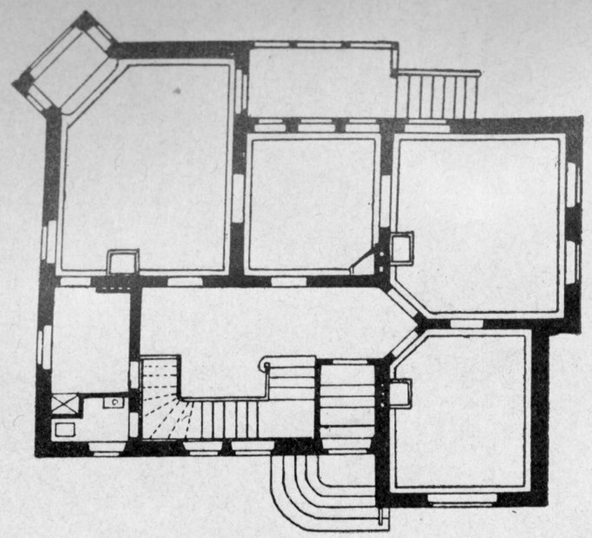


Fig. 1 (P. T.).

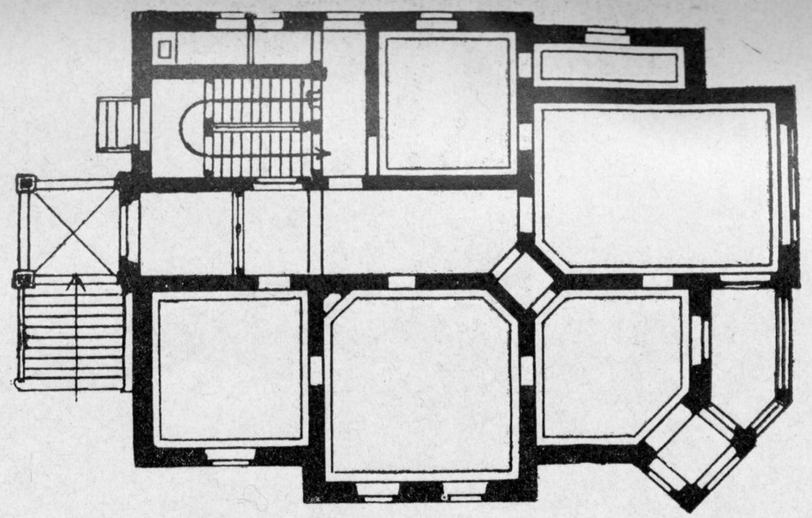


Fig. 2.

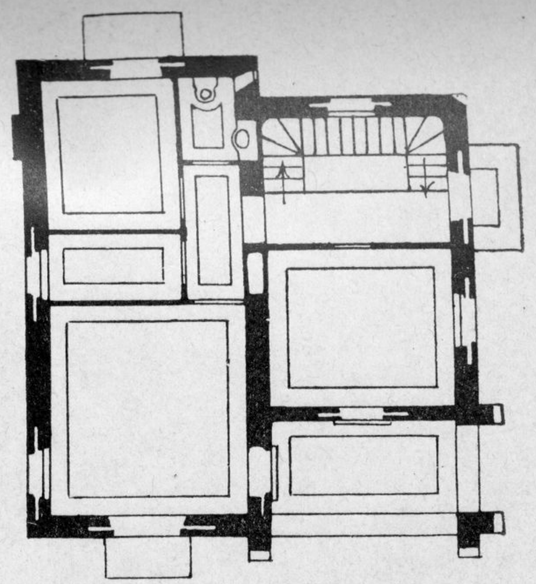


Fig. 3′ (P. 1.°).

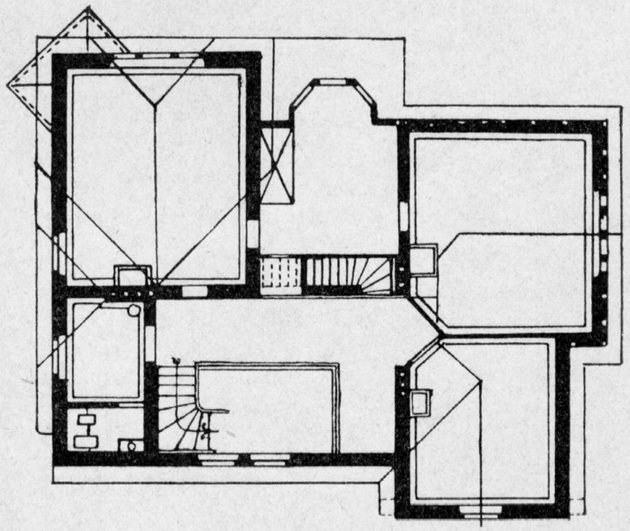


Fig. 1′ (P. 1.°).

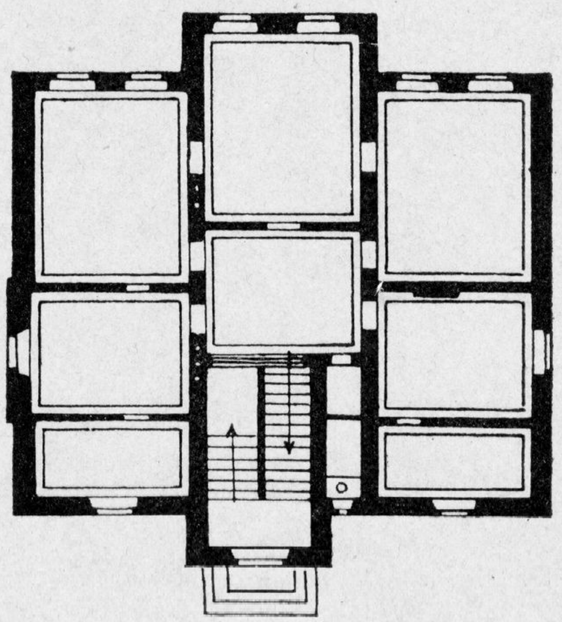


Fig. 4.

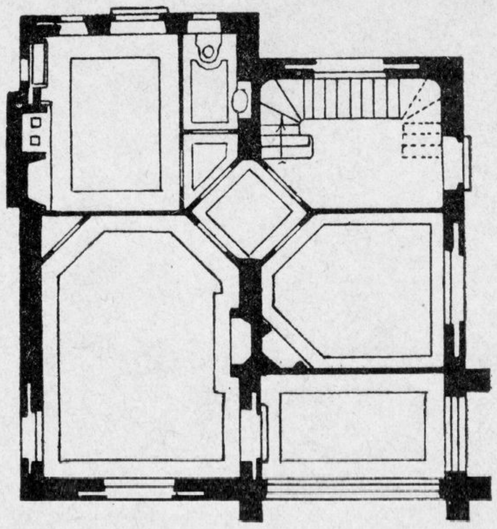


Fig. 3 (P. T.).

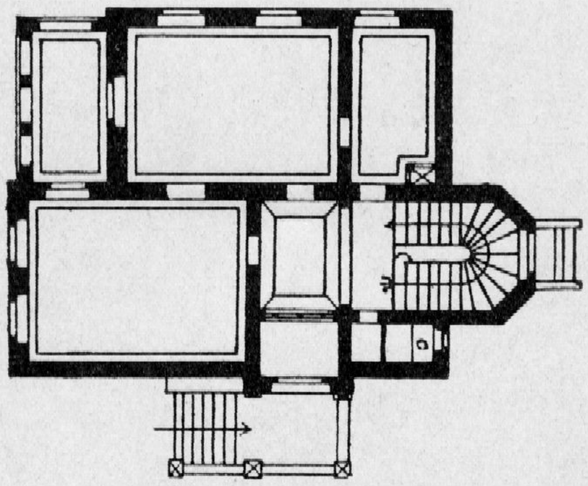


Fig. 5.

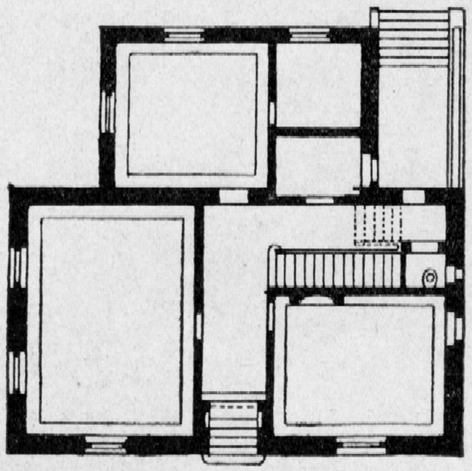


Fig. 6 (P. T.).

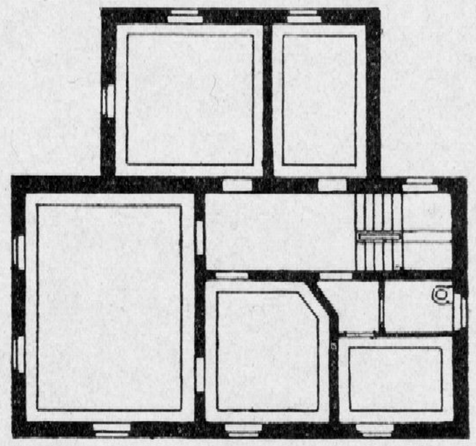


Fig. 6′ (P. 1.°).

Piante di piccoli villini semiregolari od irregolari.

Proprietà artistica.

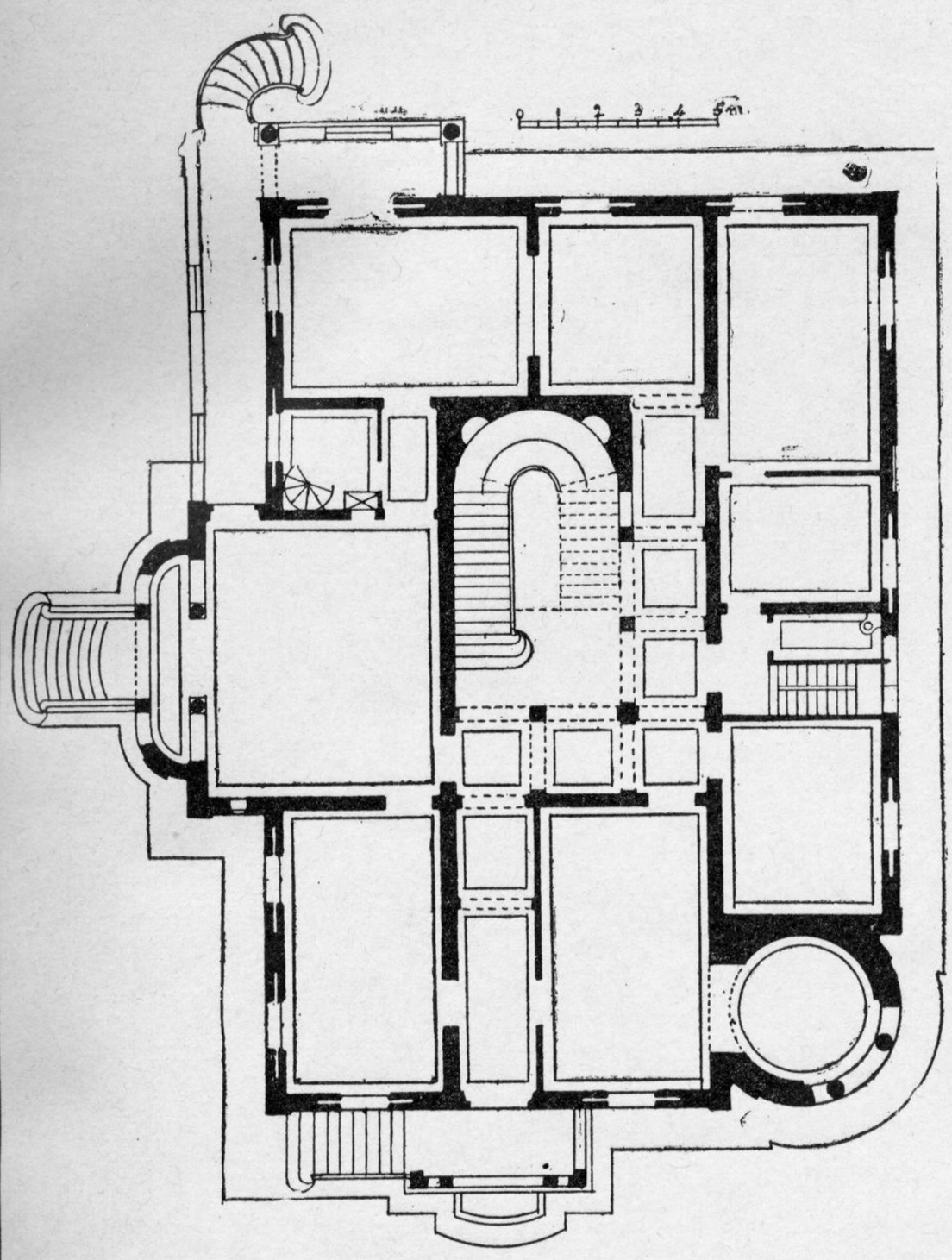


Fig. 1. — Pianta del P. T.

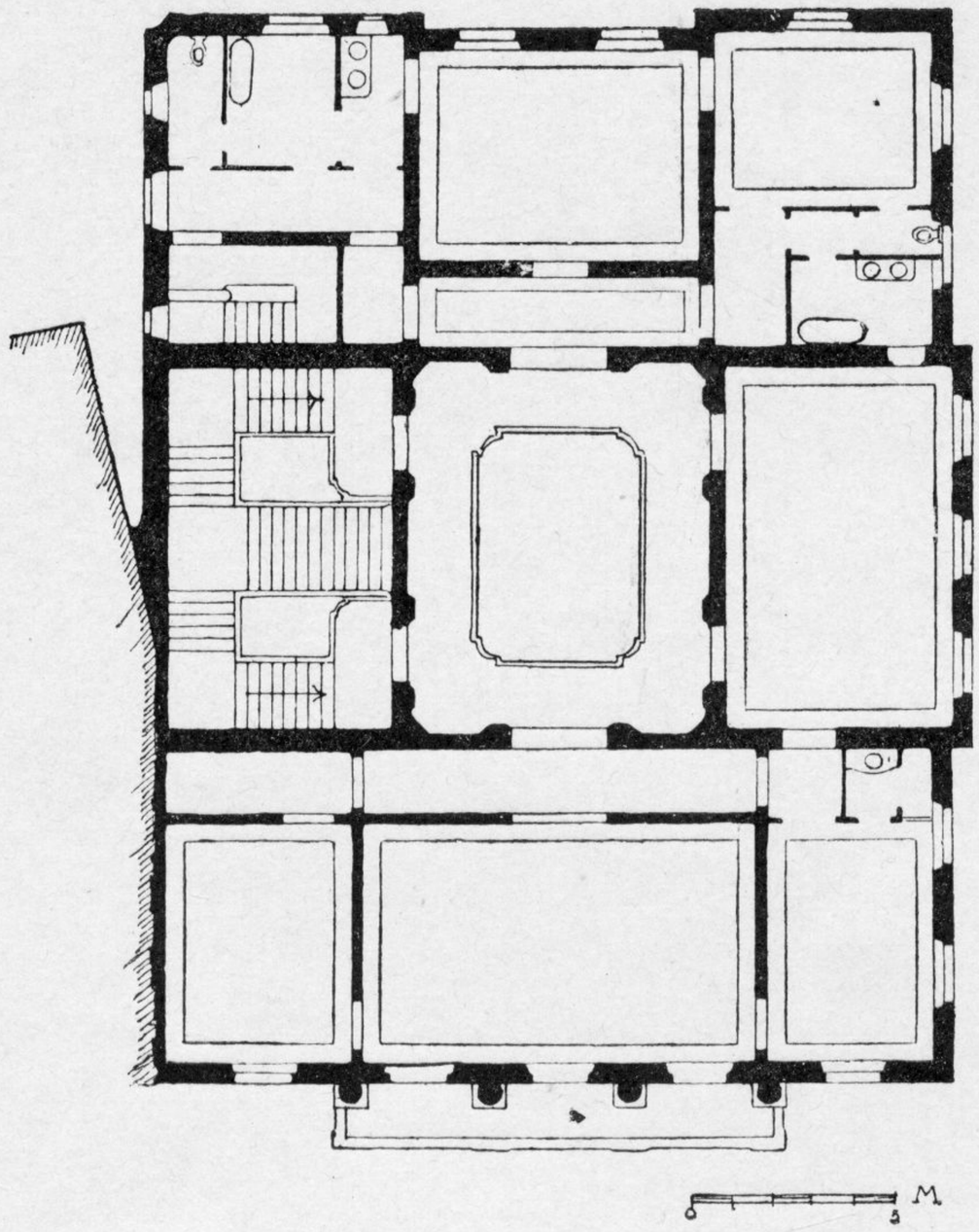


Fig. 2. — Villa in Livorno (arch. Padoa).

Villino in Firenze (arch. Michelazzi).

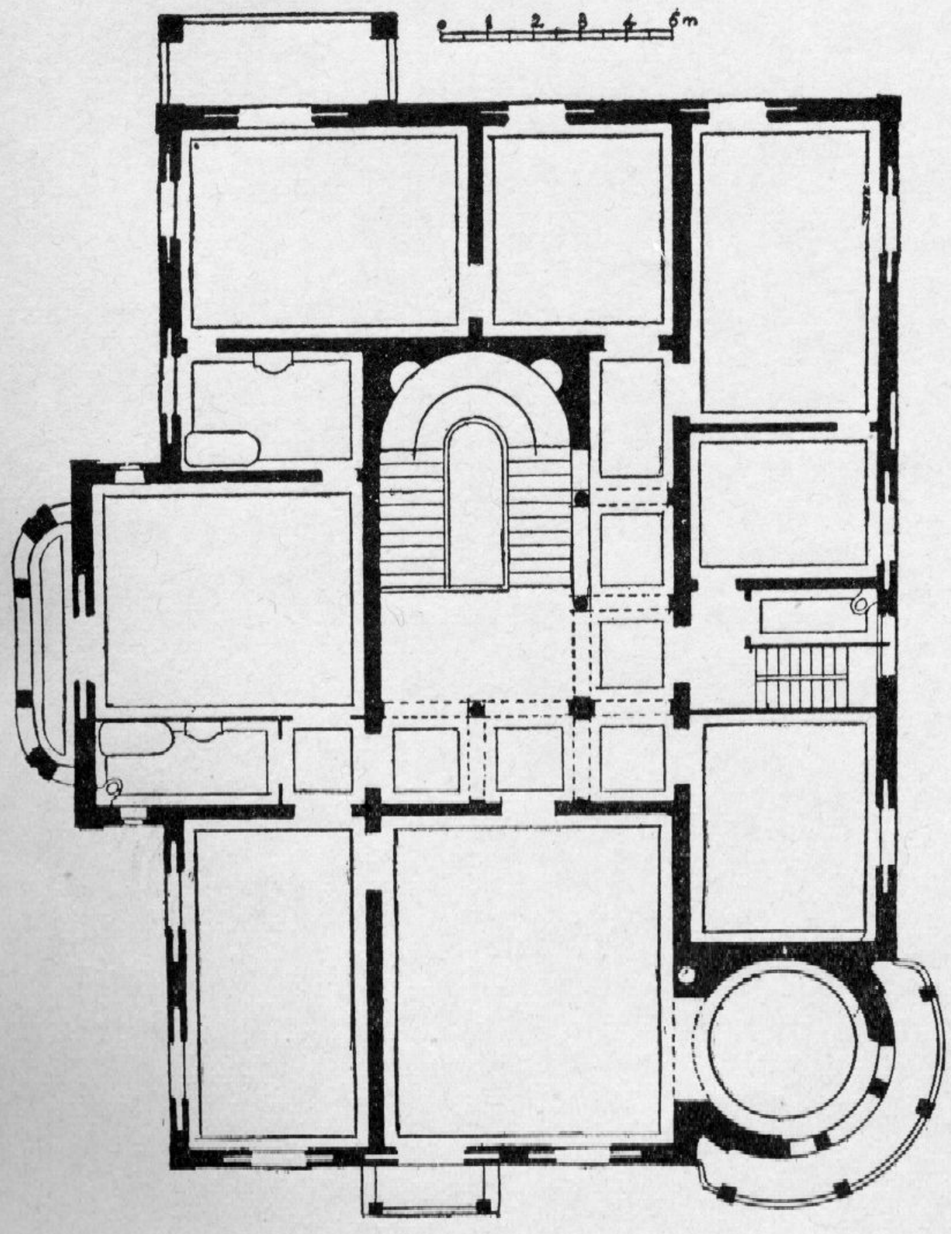


Fig. 1'. — Pianta del 1.° P.

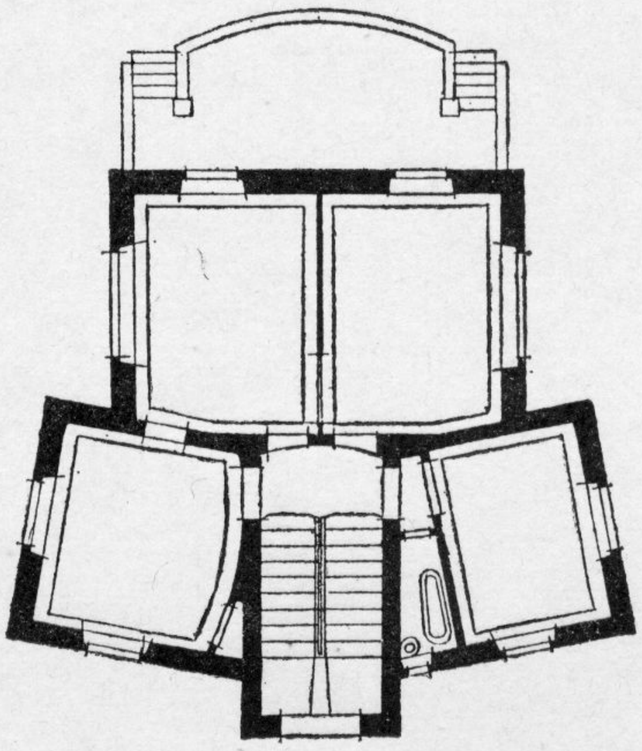


Fig. 3. — Villino in Vienna (arch. O. Wagner).

Fig. 4. — Villino in Darmstadt.

Proprietà artistica.

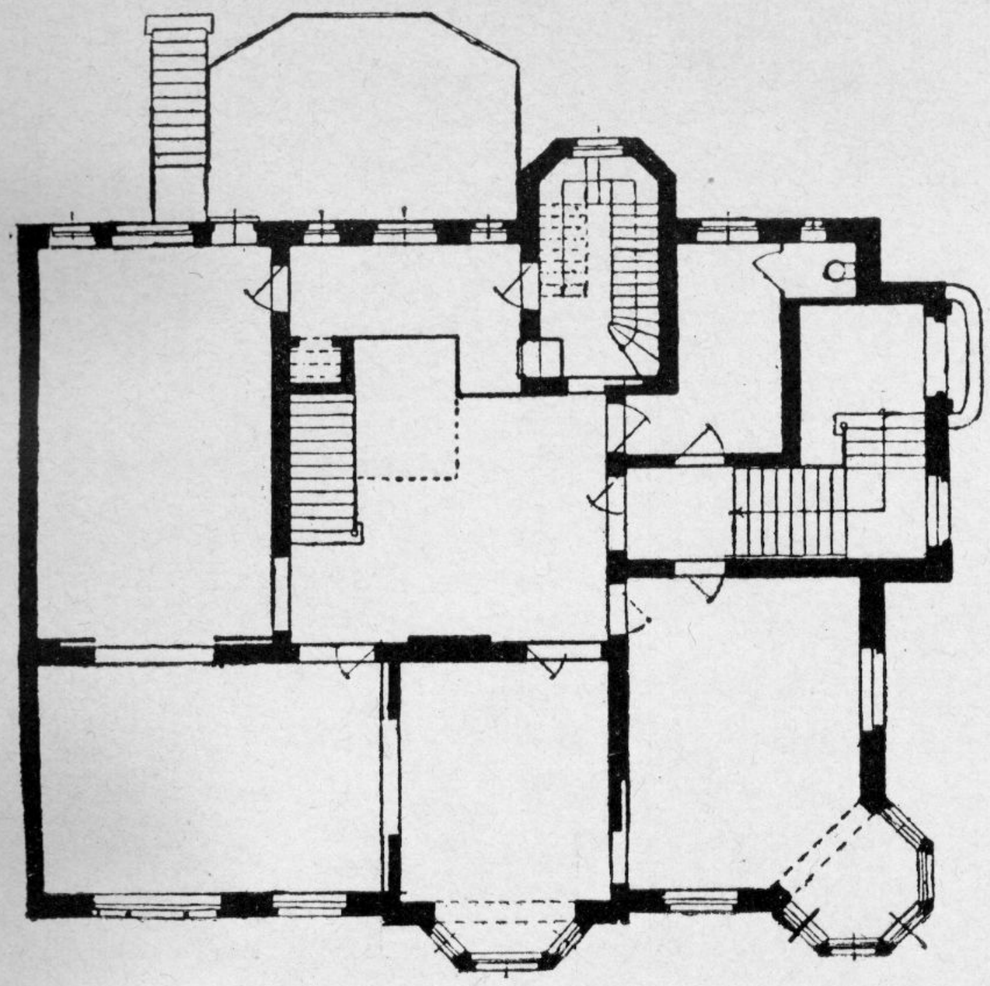


Fig. 1. — Pianta del pianterreno.

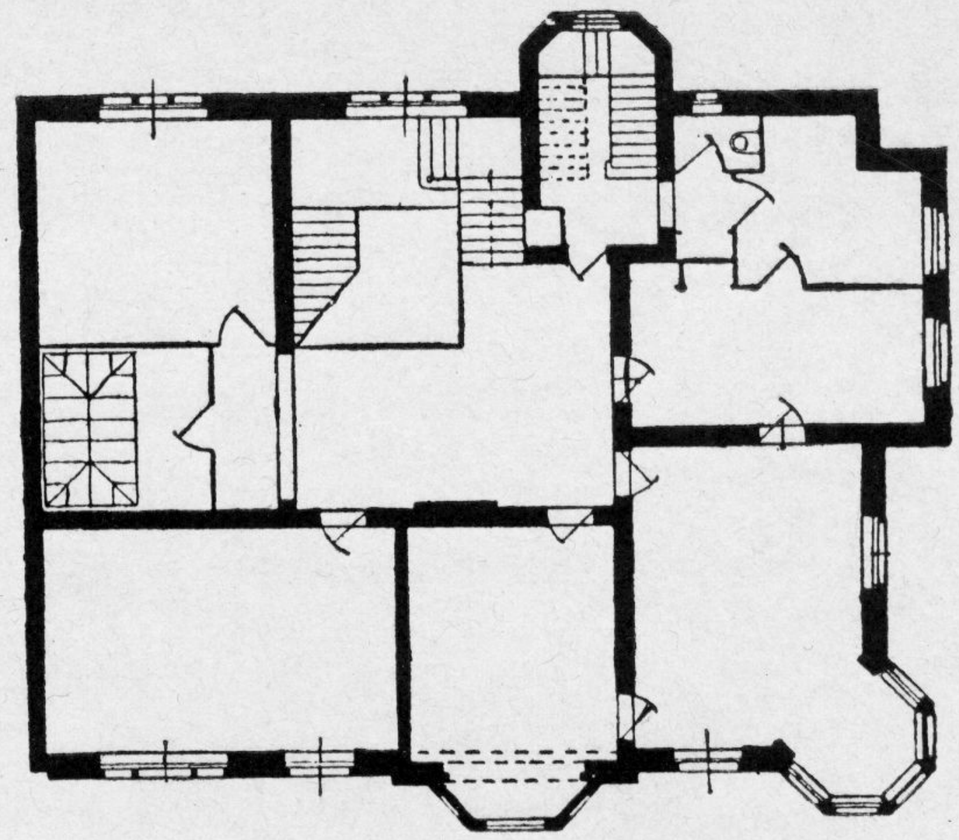


Fig. 1′. — Pianta del 1.° P.

Villino in Francoforte (arch. Kayser e von Groszheim).

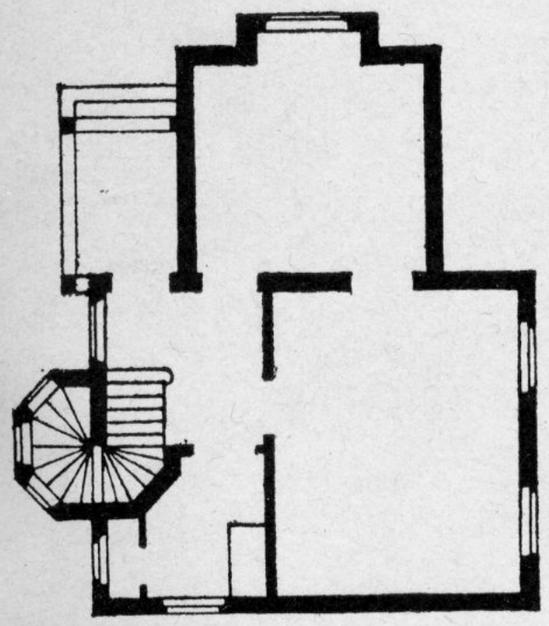


Fig. 2. — Pianta del pianterreno.

Villino tipo secondo Heinz.

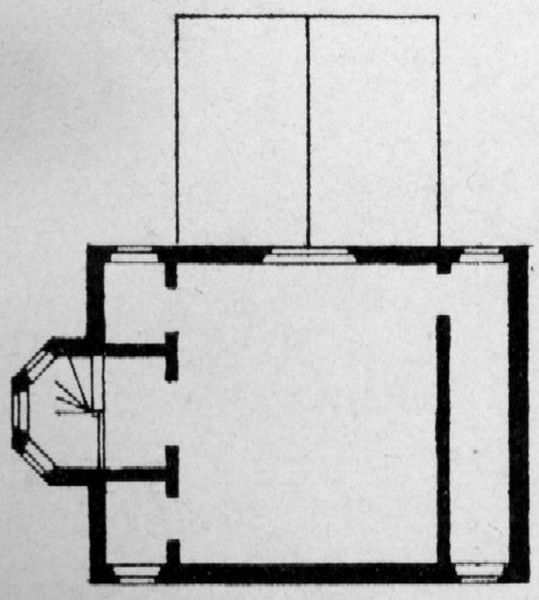


Fig. 2′. — Pianta del 1.° P.

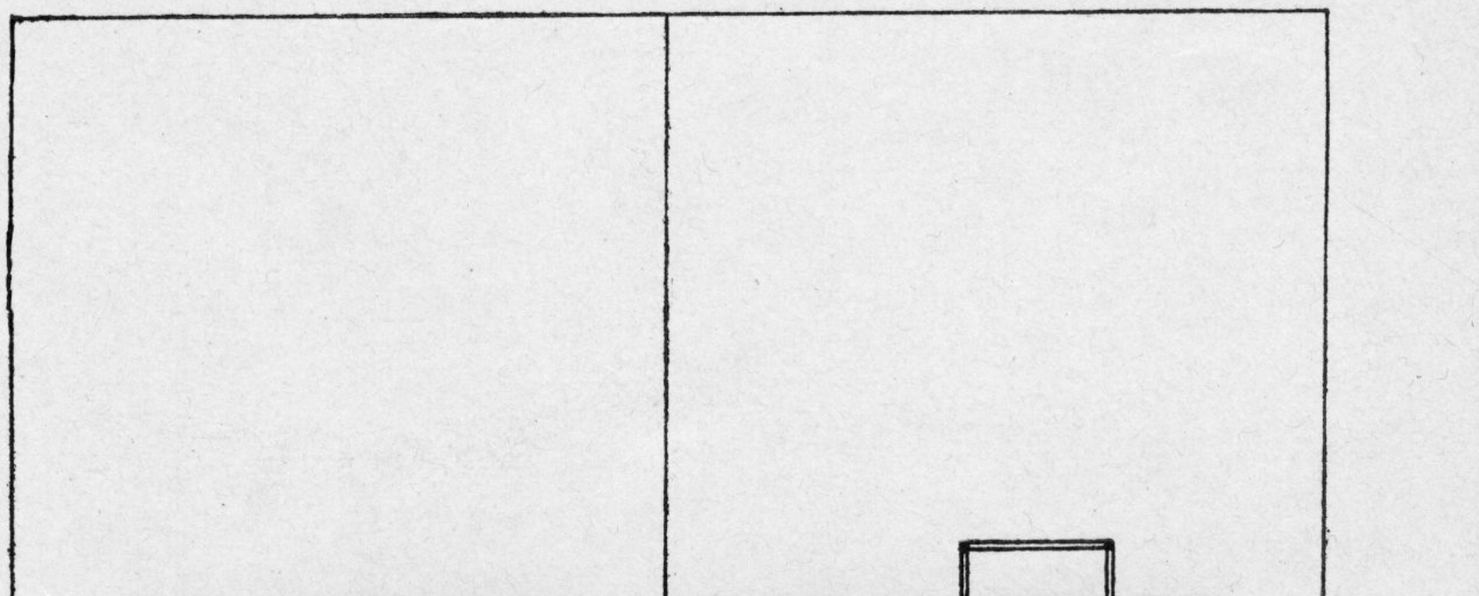


Fig. 3. — Casette doppie a Stuttgart.

Proprietà artistica.

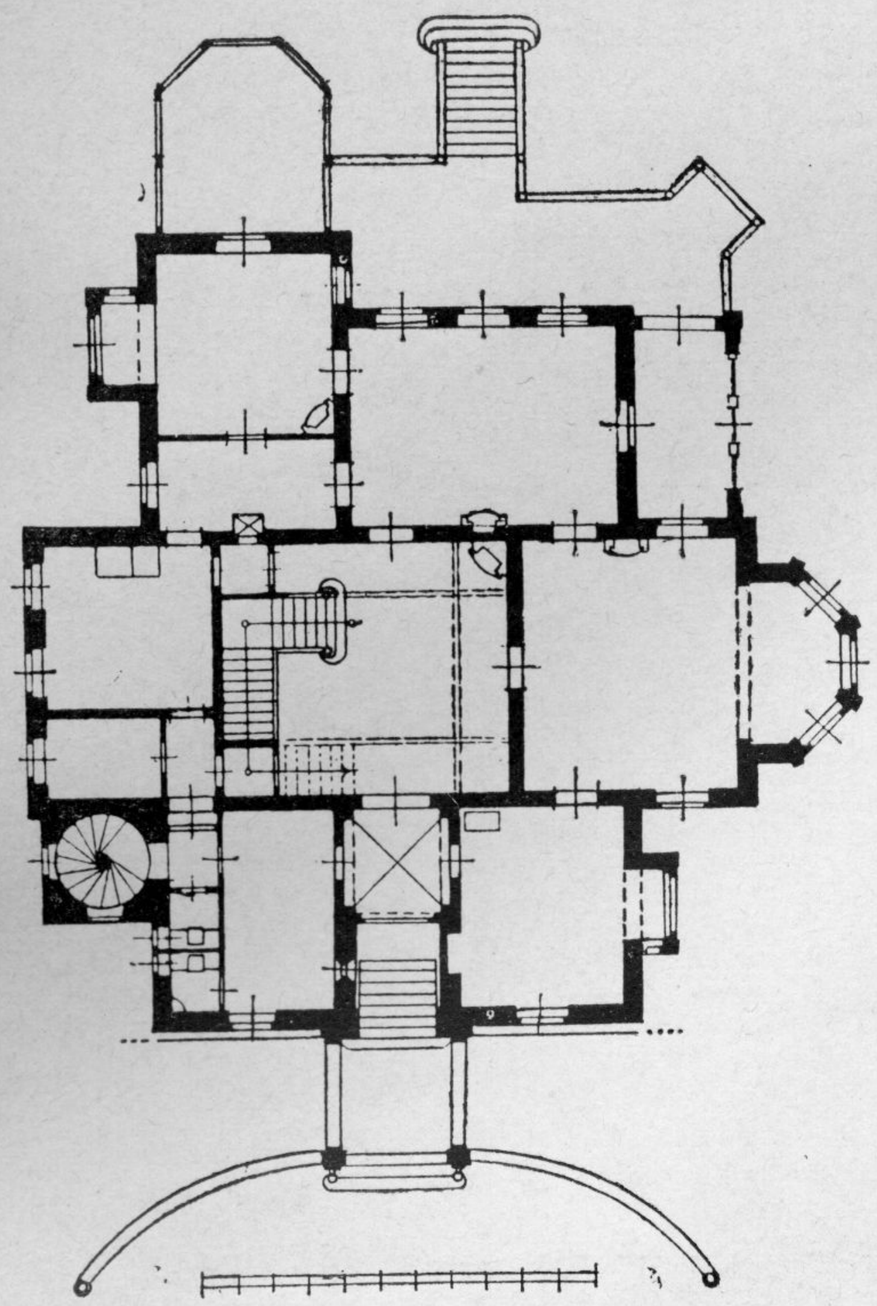


Fig. 1. — Pianta del P. T.

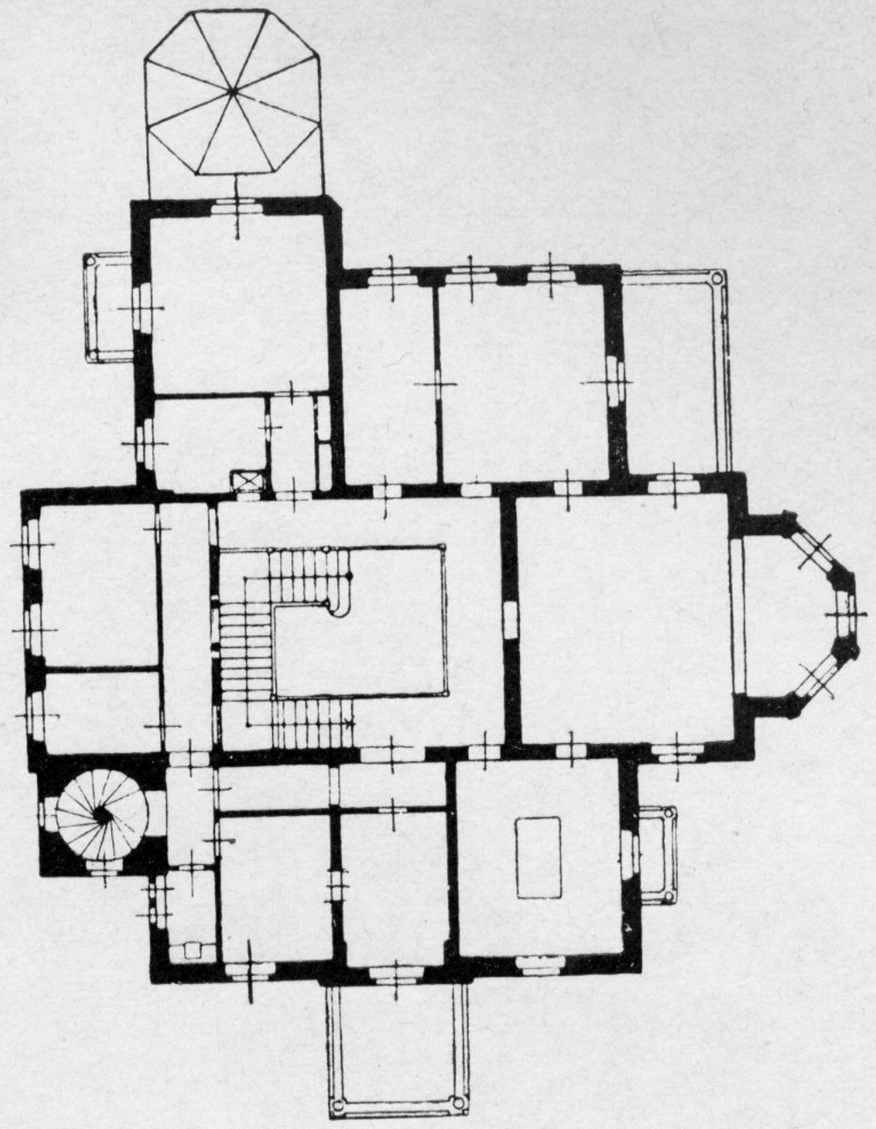


Fig. 1′. — Pianta del 1.° P.

Villino in Grossröhrsdorf (arch. Heyn).

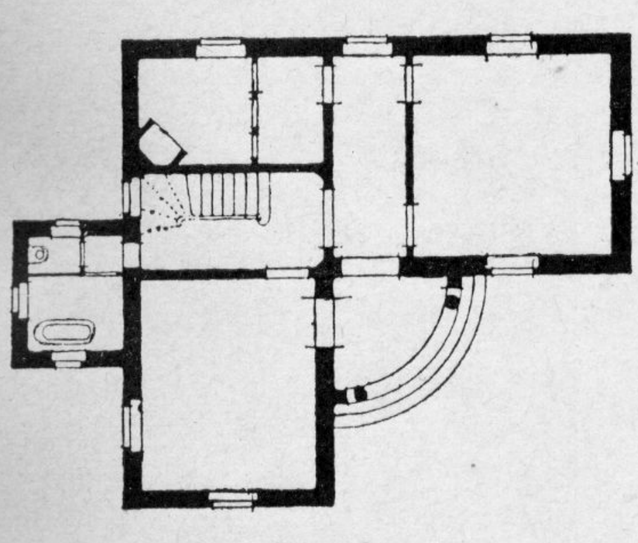


Fig. 2

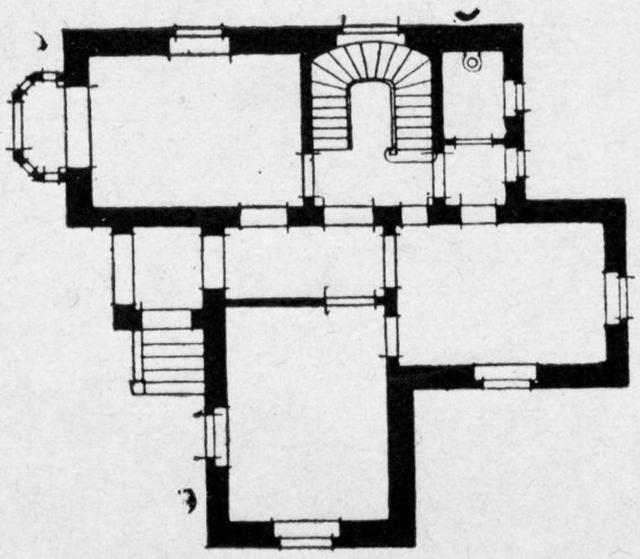
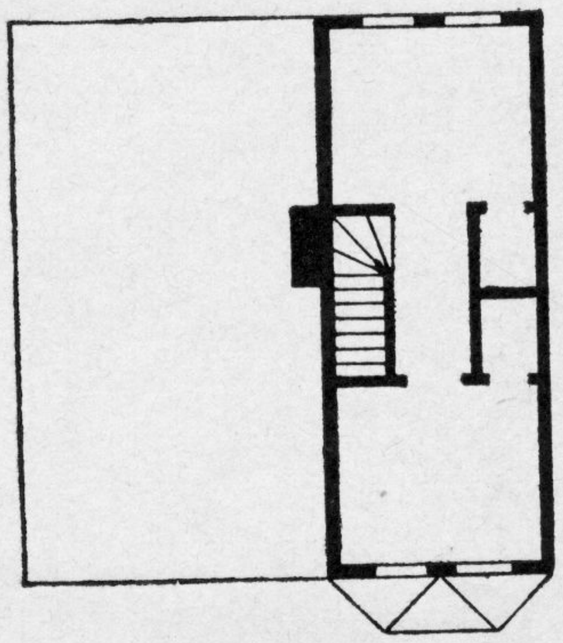


Fig. 3.

Tipi di piccoli villini irregolari.



Fig, 5′. — Pianta del 1.° P.

Tipo di villino americano.

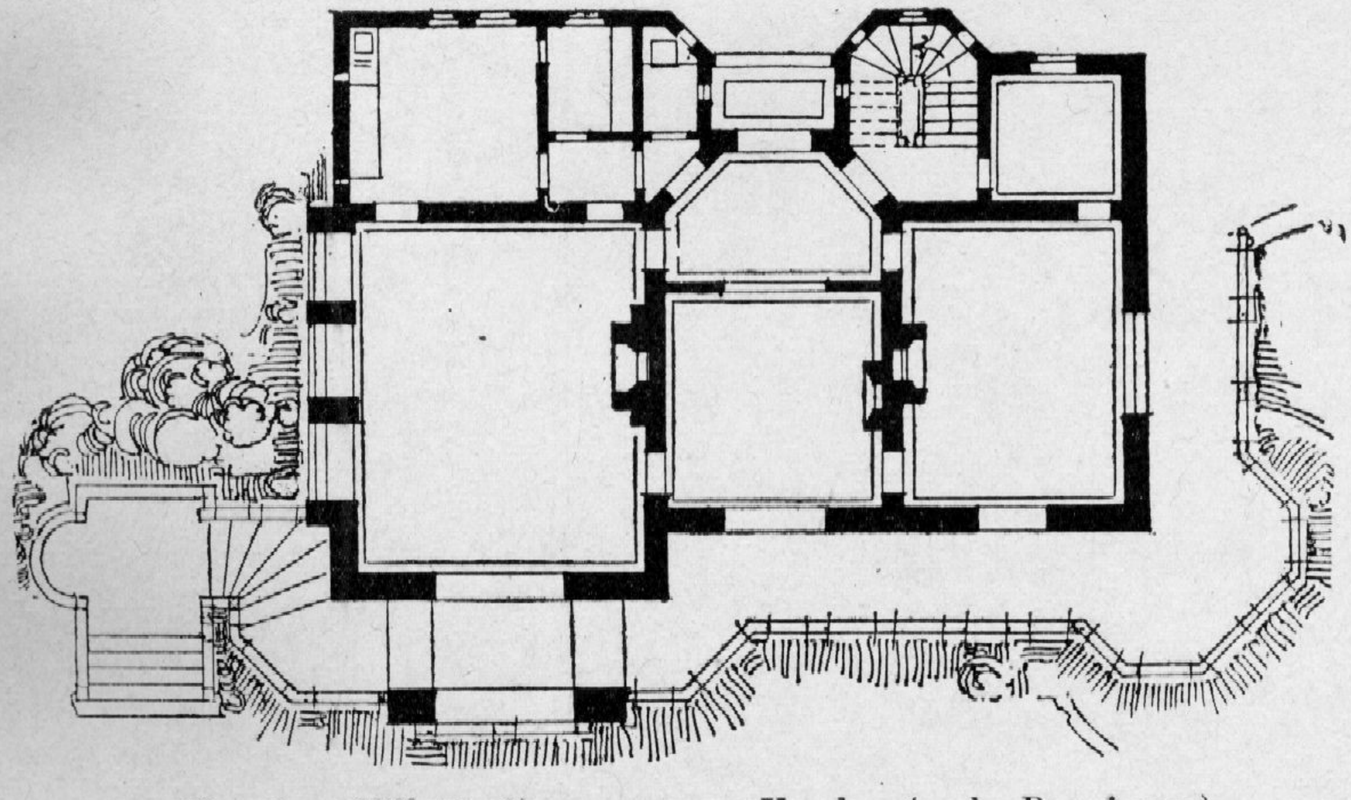


Fig. 4. — Villetta di campagna a Vezelay (arch. Des Anges).

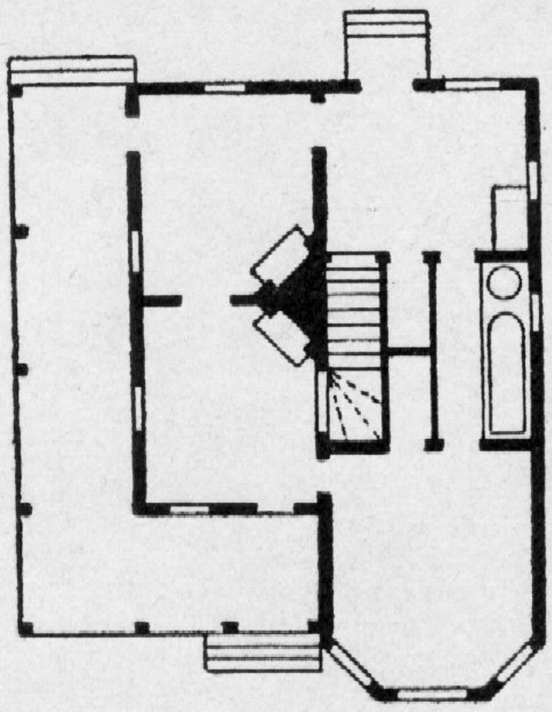


Fig. 5. — Pianta del P. T.

Proprietà artistica.

Tavola XXI.

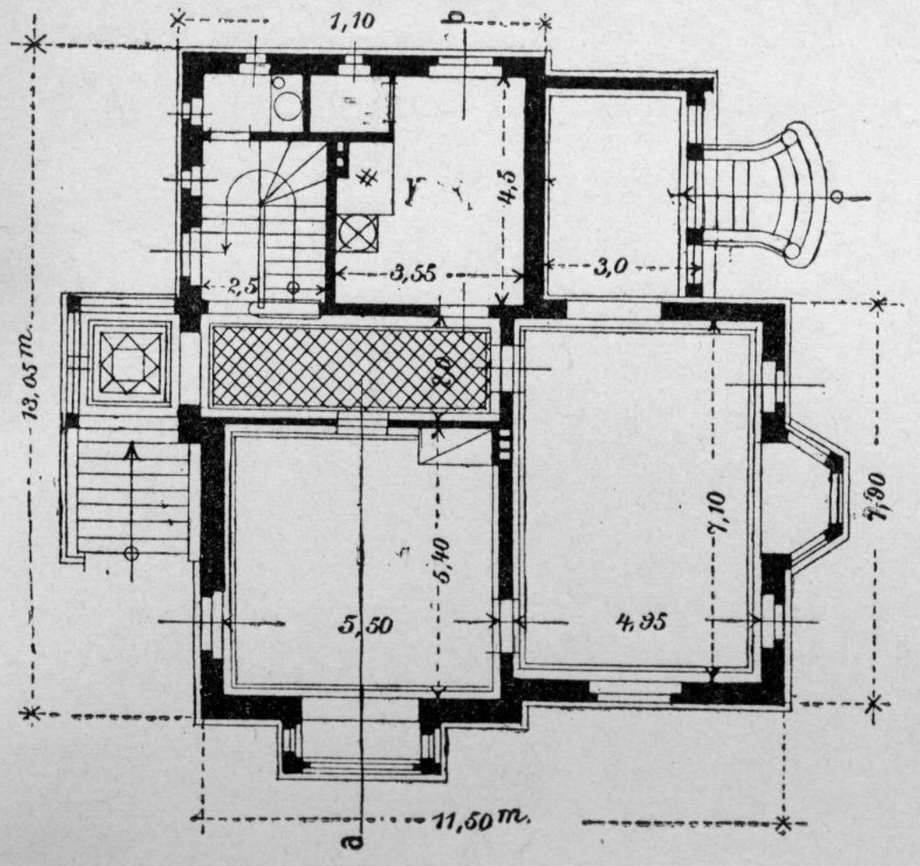


Fig. 1.

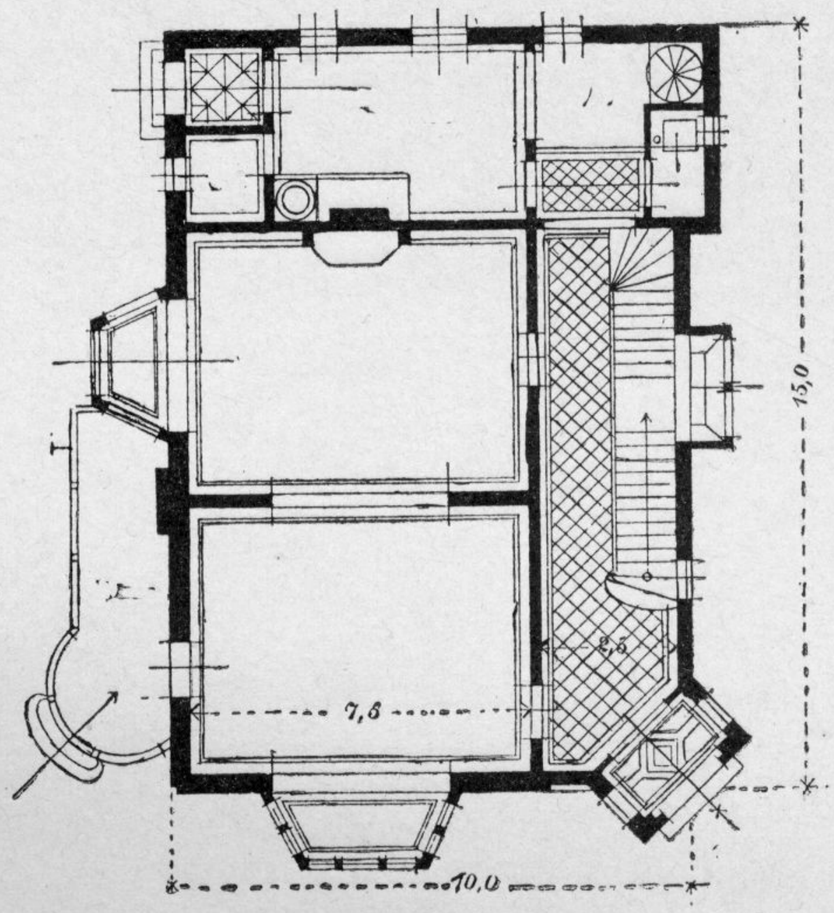


Fig. 2.

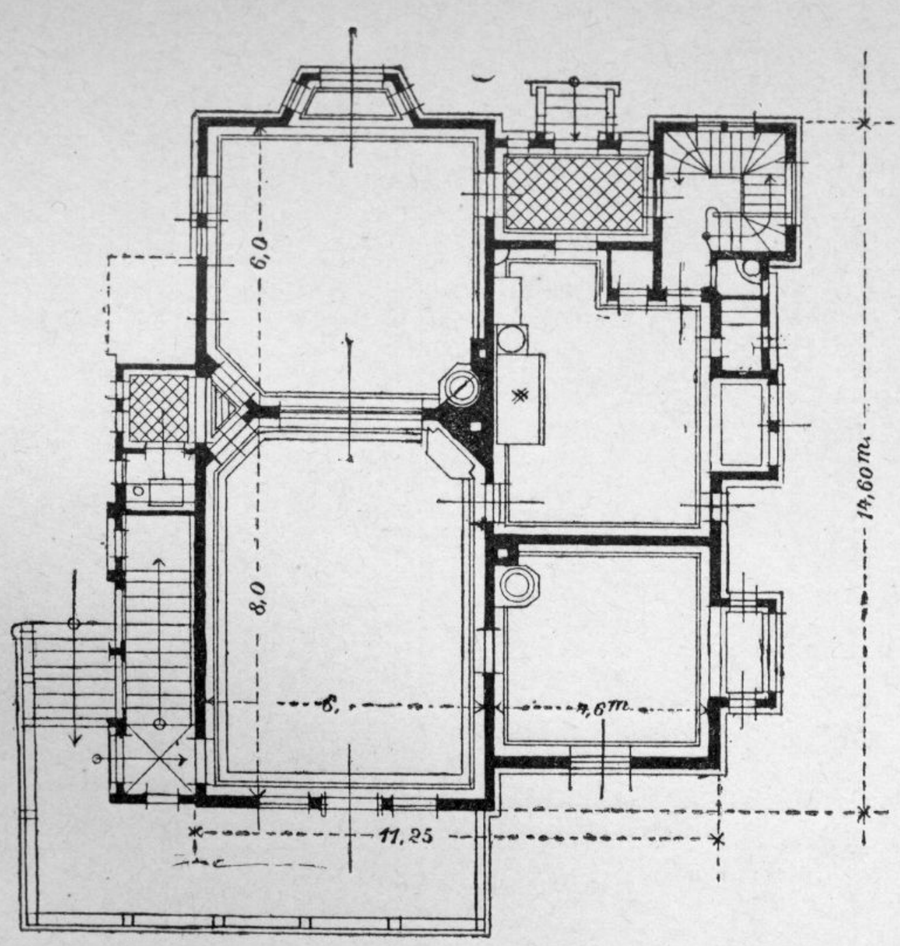


Fig. 3. — (P. T.).

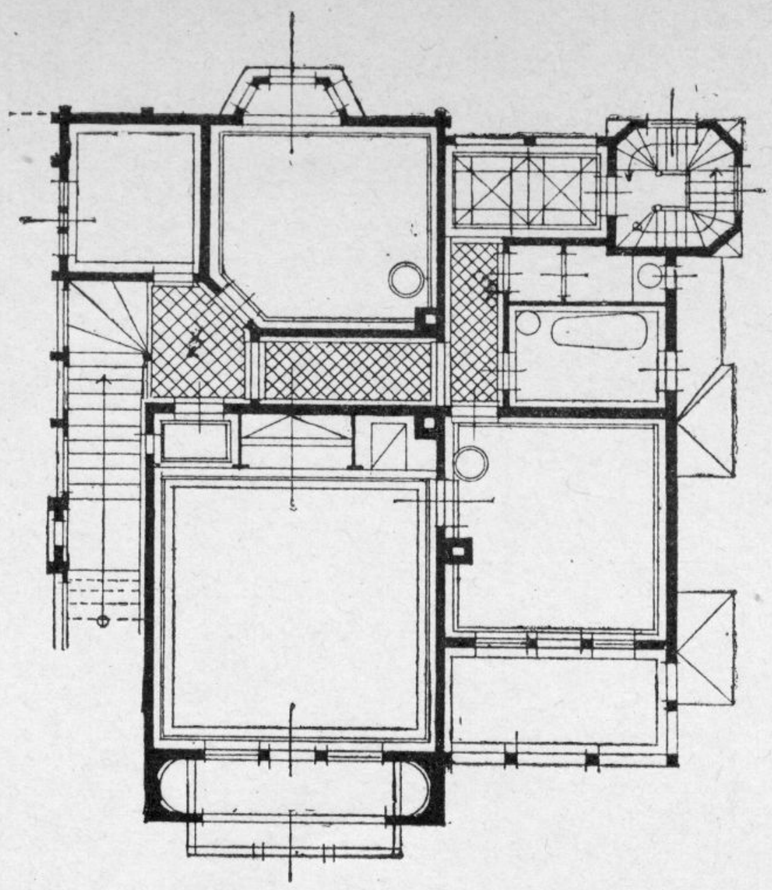


Fig. 3'. — (P. 1°).

Tipi vari di villini irregolari.

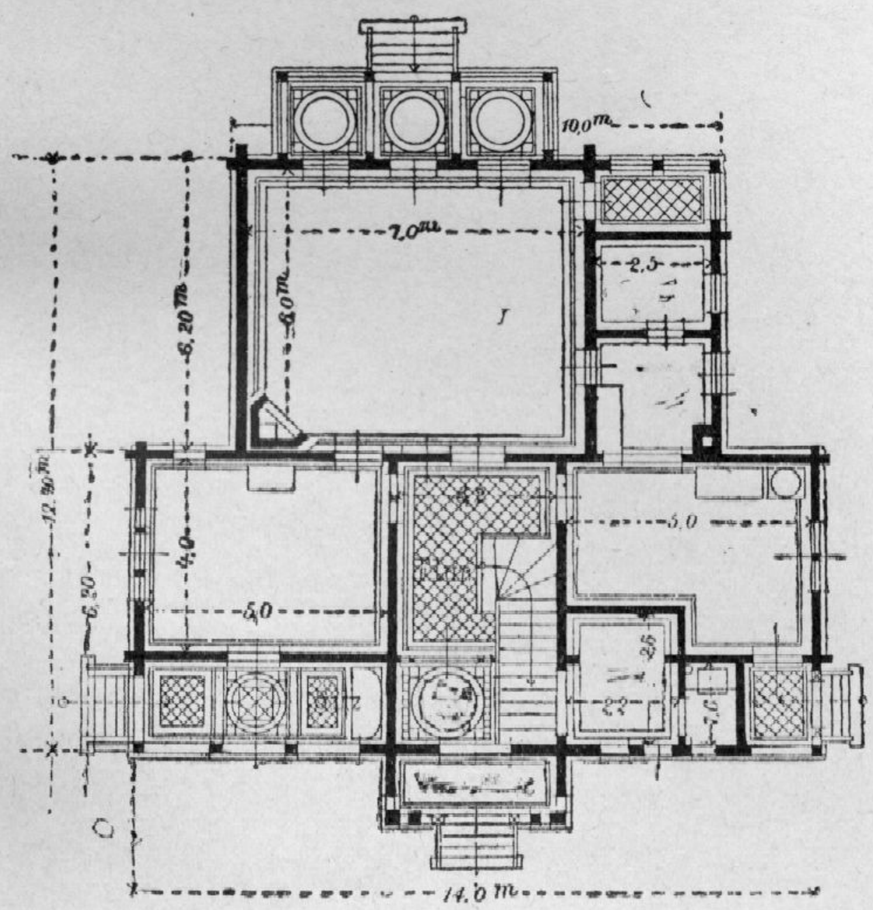


Fig. 4. — (P. T.).

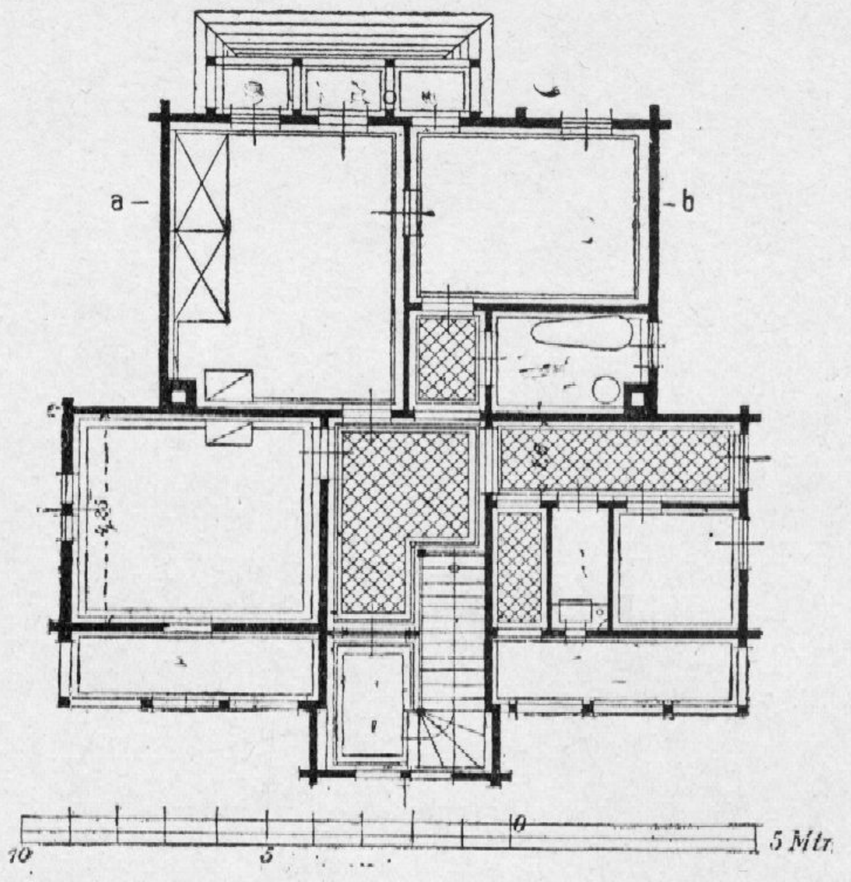


Fig. 4'. — (P. 1°).

Proprietà artistica.

Tavola XXII.

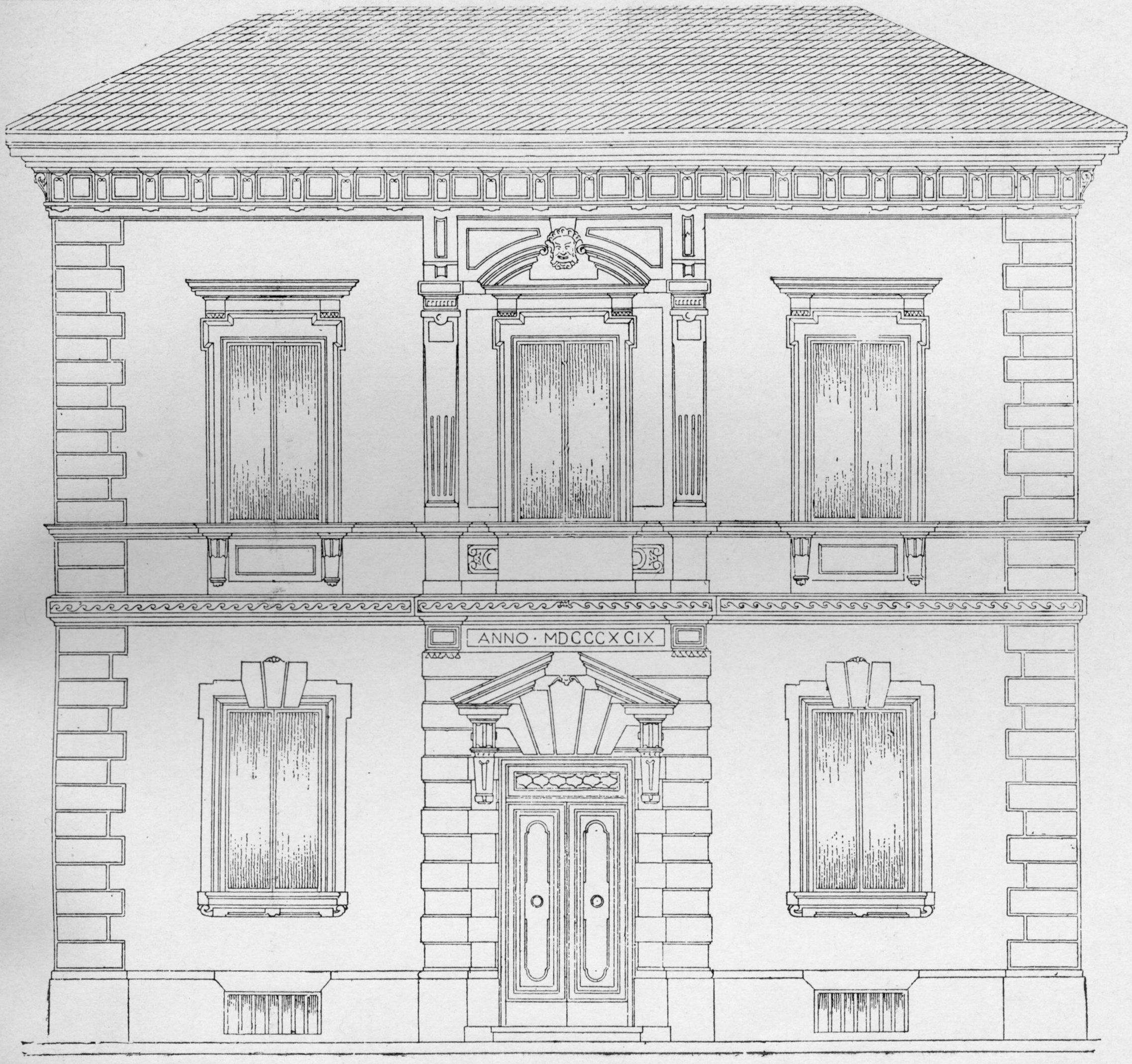


Fig. 1. — Prospetto.

Villino in Via Lungo il Mugnone, Firenze
(Arch. Mazzanti).

Fig. 2.

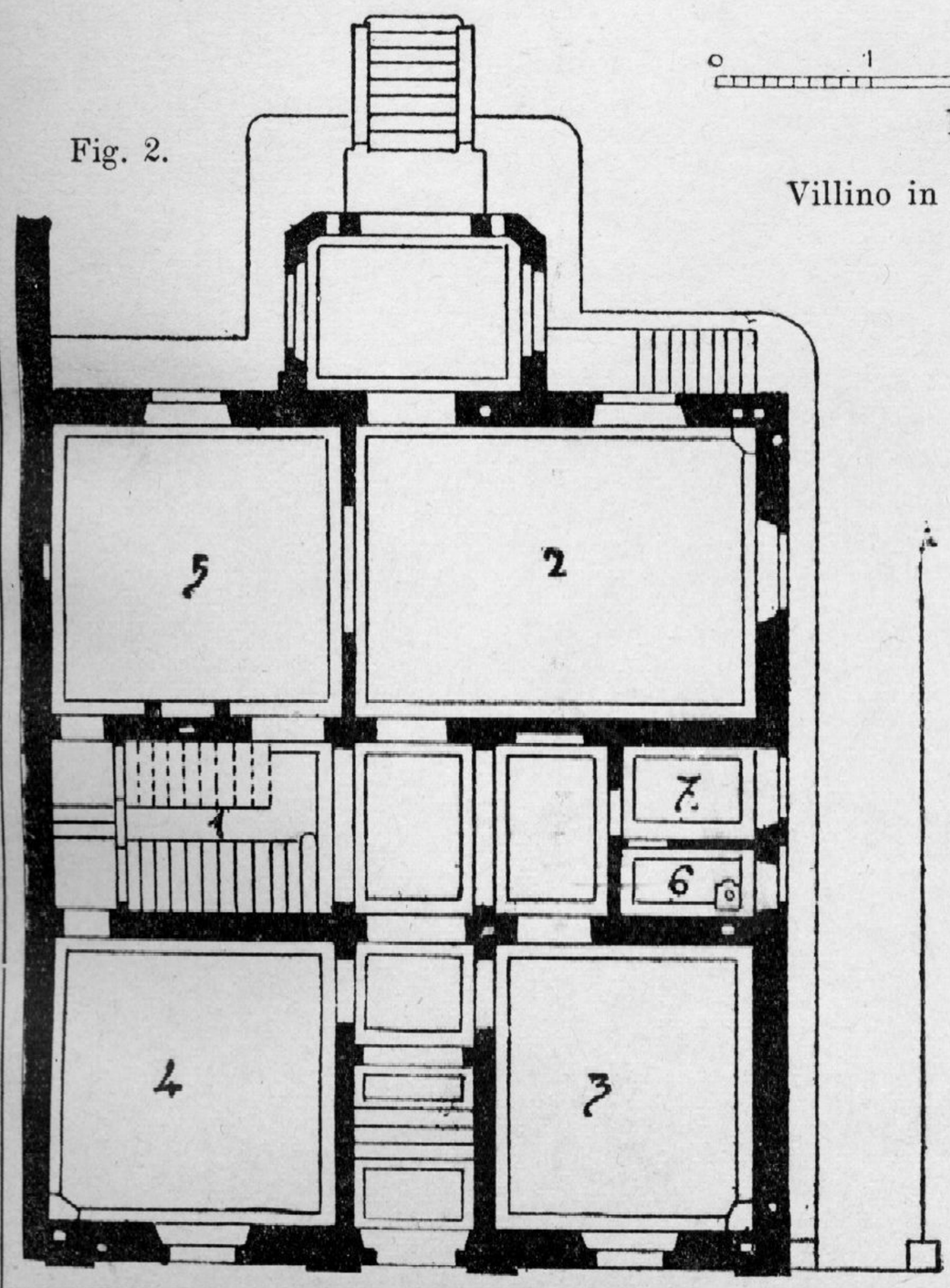


Fig. 2. — Pianta del pianterreno:

1. Scala.
2. Sala da pranzo.
3. Studio.
4. Salotto da ricevere.
5. Stanza di soggiorno.
6. Ritirata.
7. Gabinetto.

Fig. 3.

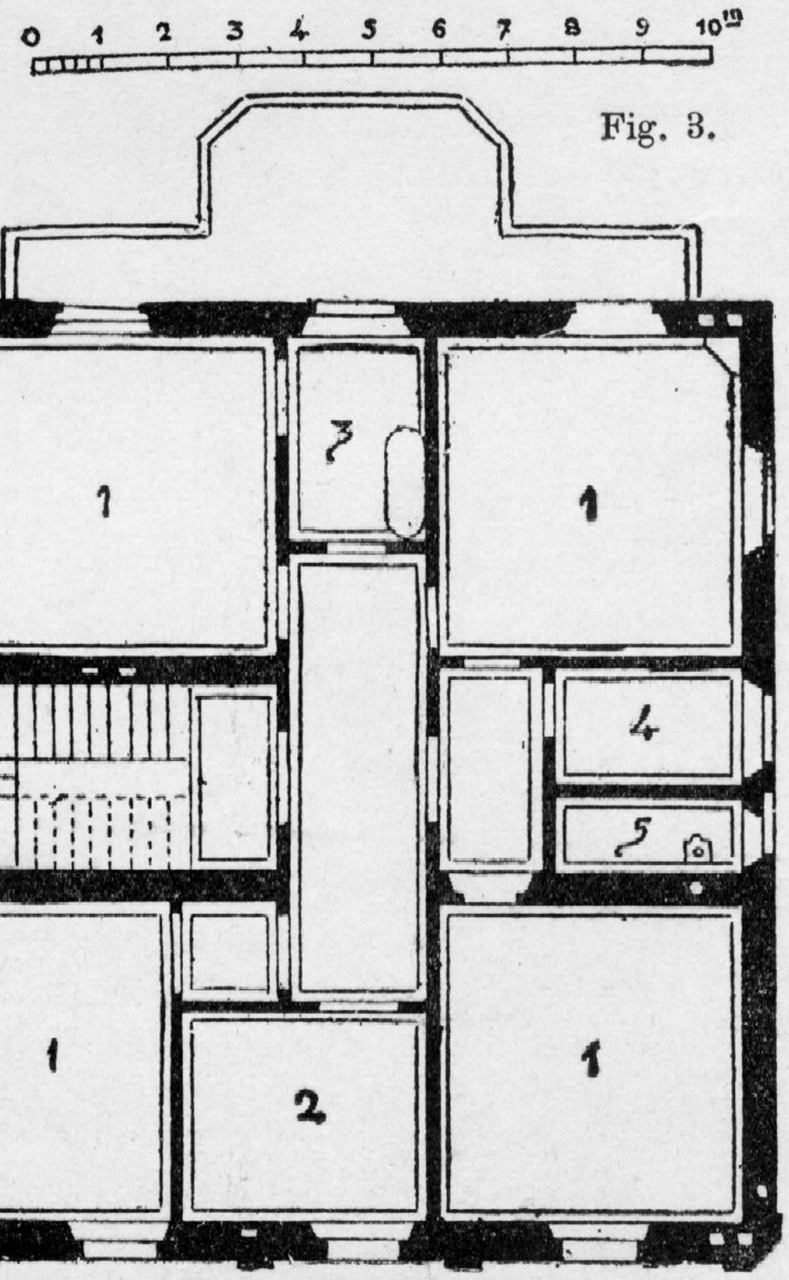
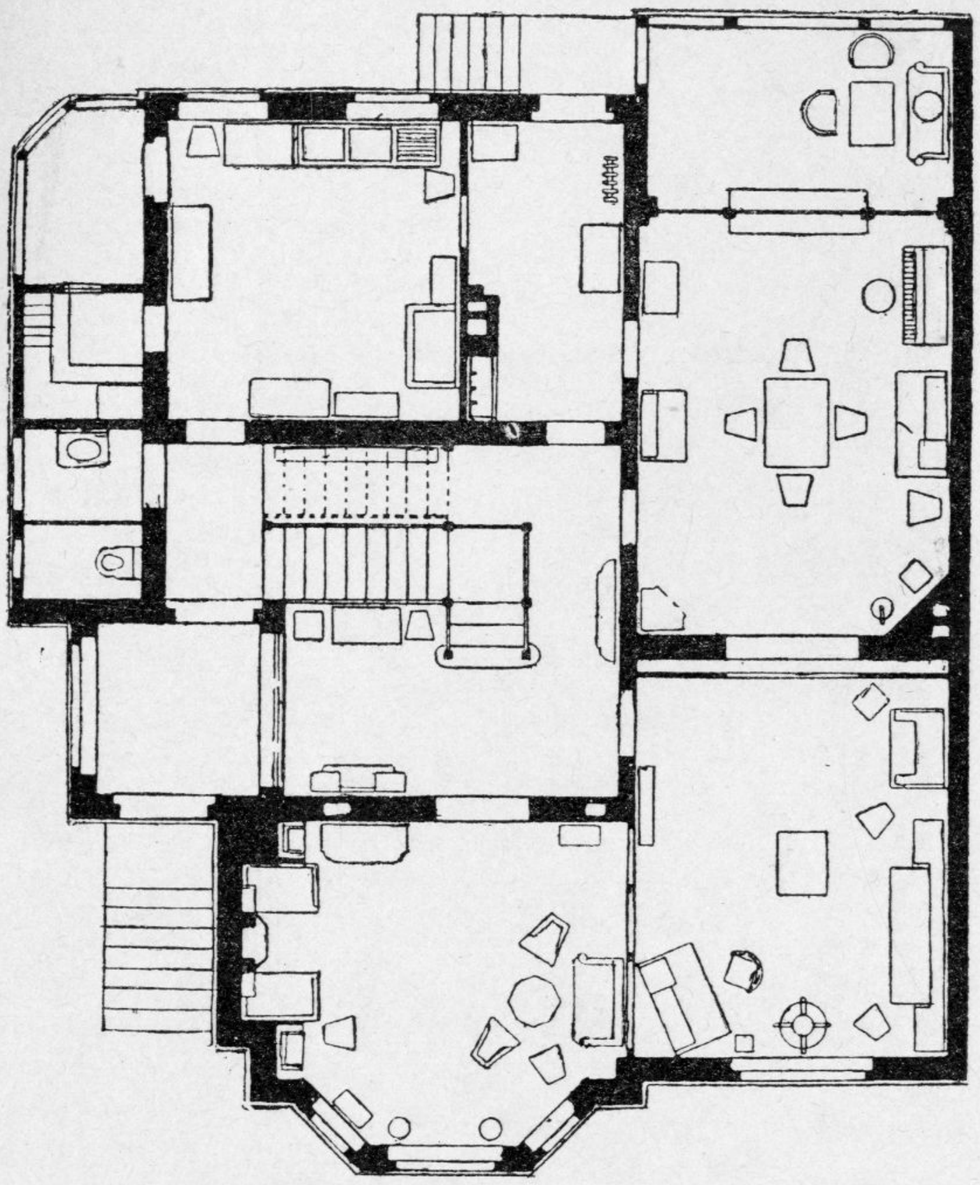
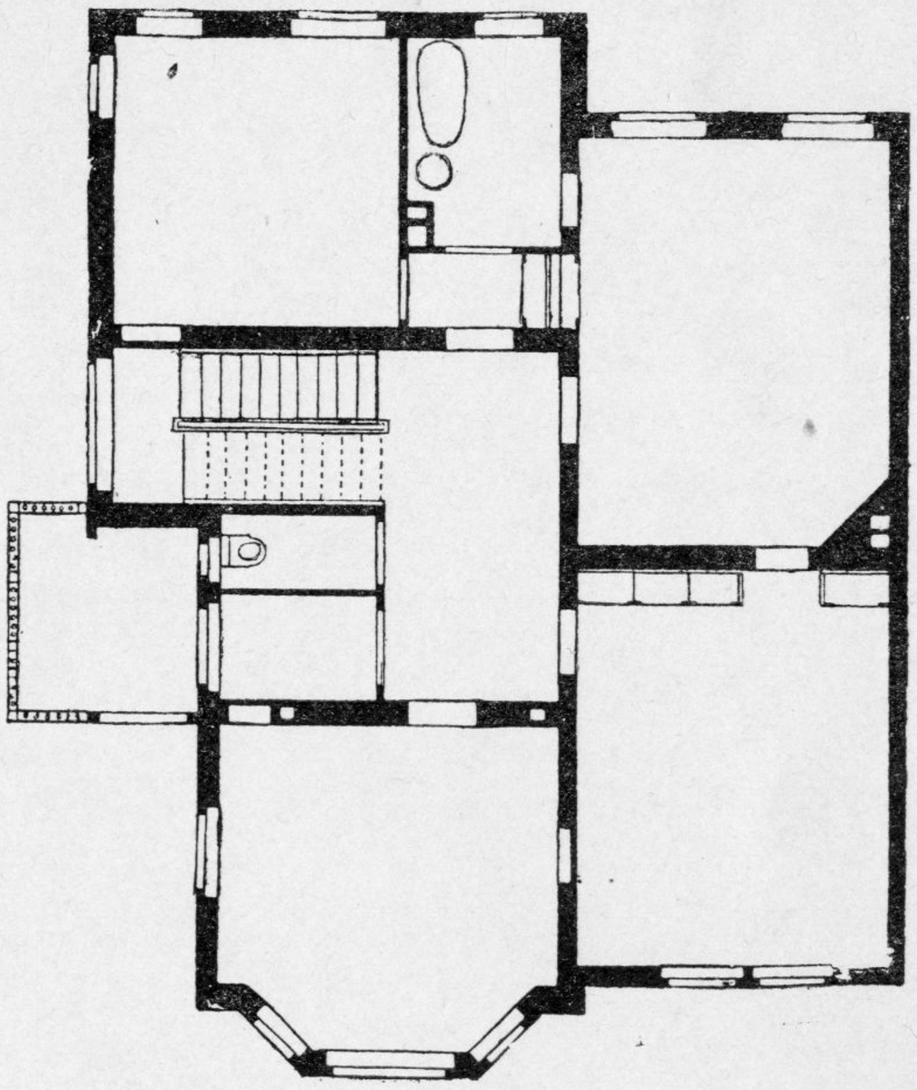


Fig. 3. — Pianta del primo piano:

1. Camere da letto.
2. Boudoir.
3. Bagno.
4. Gabinetto.
5. Ritirata.

Proprietà artistica





1:200

10 5 0 1 2 3 4 5 6 7 8 9 10 m

Fig. 1. — Pianta del pianterreno.

Fig. 1'. — Pianta del 1.° piano.

Villino in Essen (arch. Schmoll).

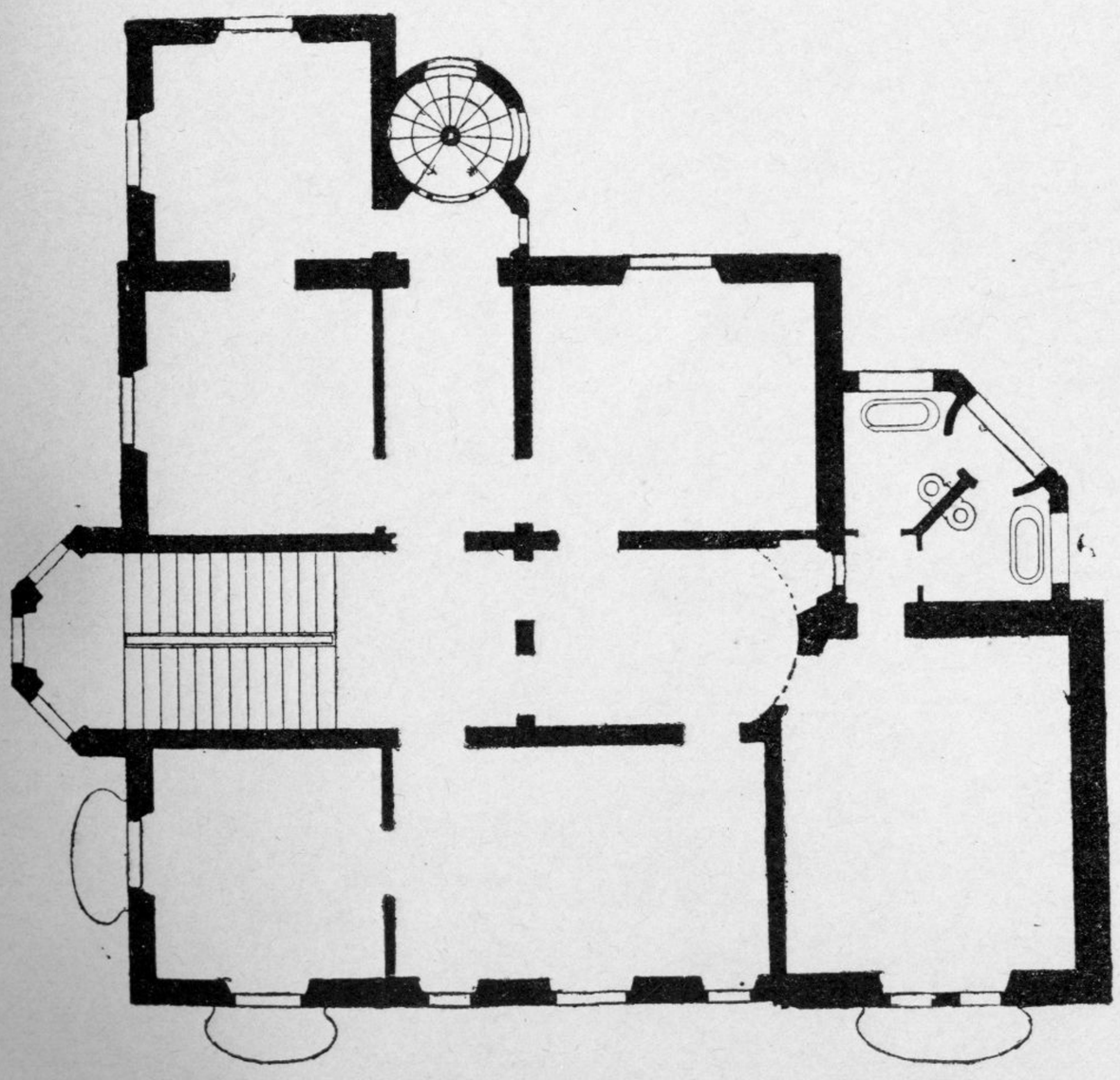


Fig. 2. — Villino Torlonia in Roma
(Pianta del 1.° Piano).

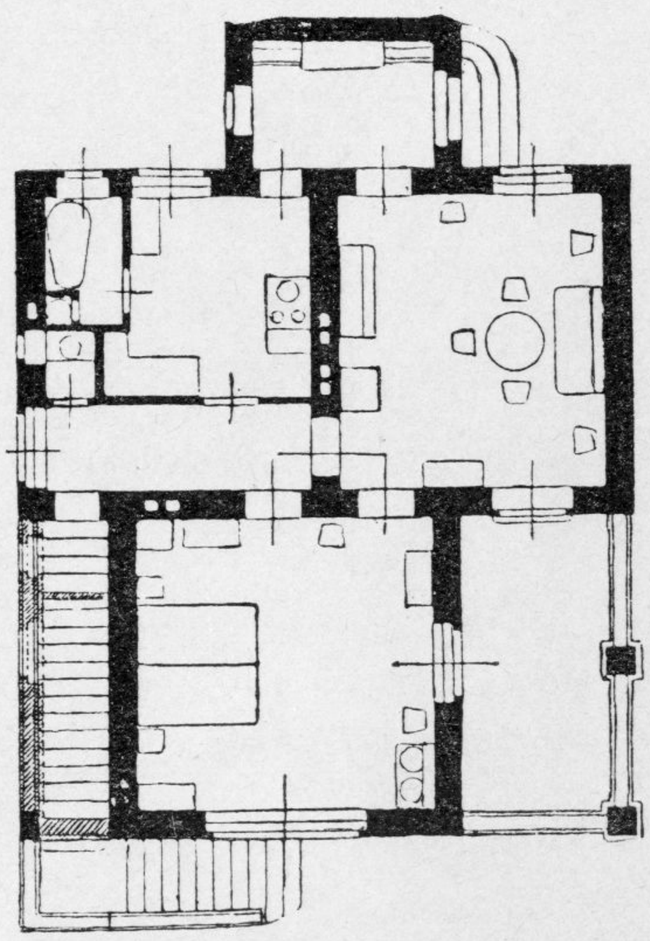


Fig. 3. — Casetta per due famiglie (arch. Lange).
(Pianta del P. T.).

Proprietà artistica.

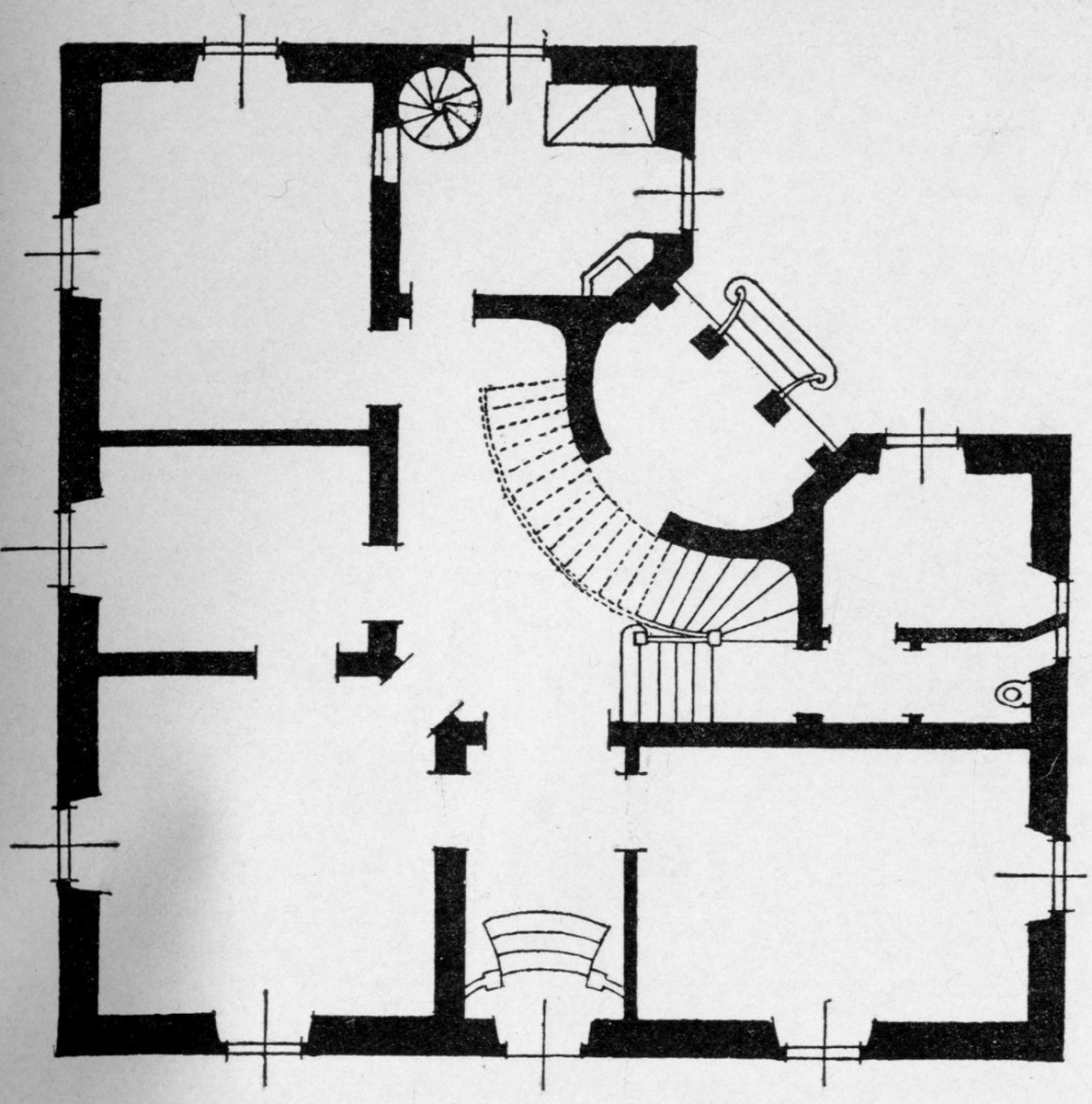


Fig. 1. — Pianta del pianterreno.

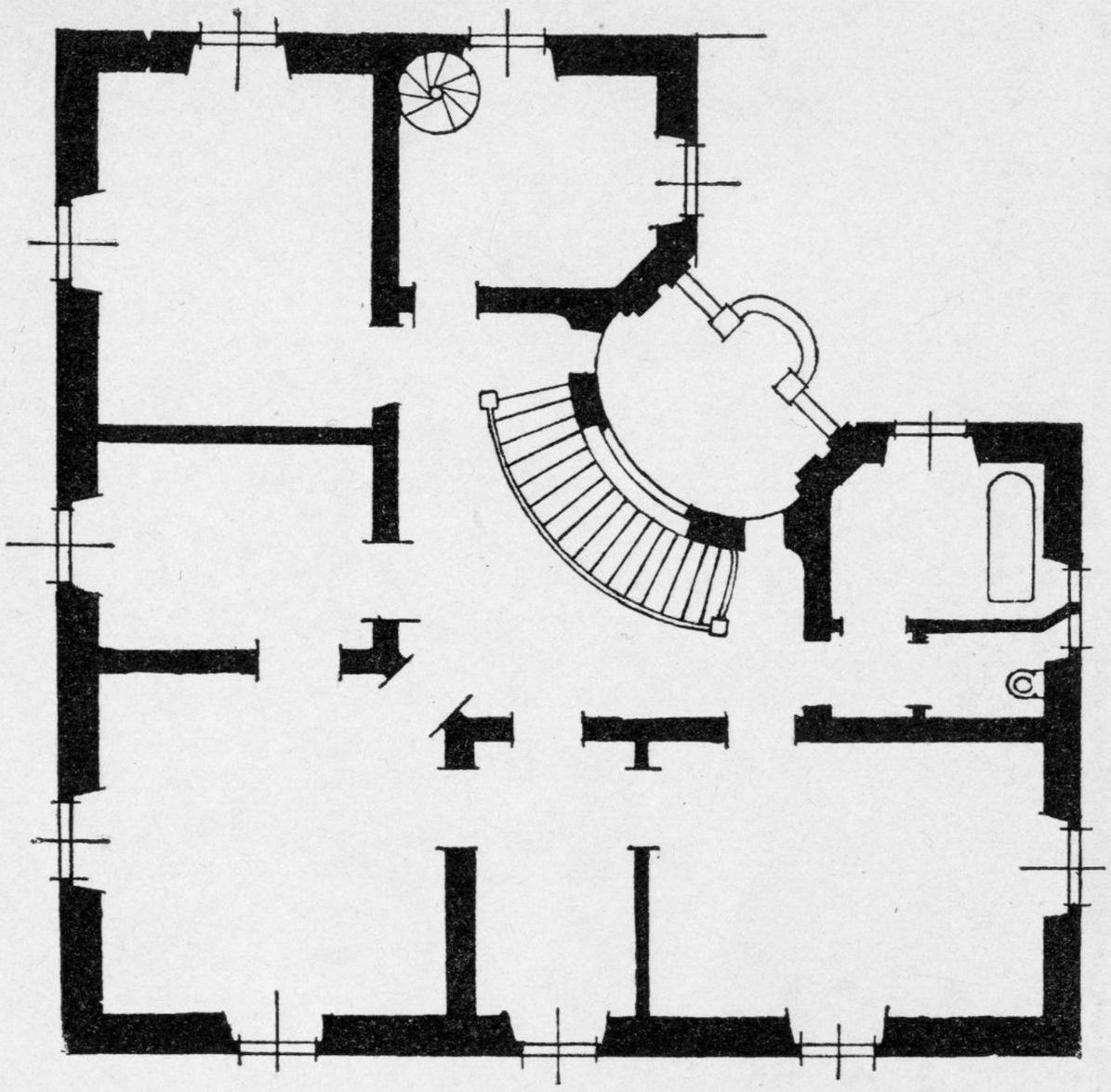


Fig. 1'. — Pianta del 1.° piano.

Villino in Roma (arch. Giovannoni).

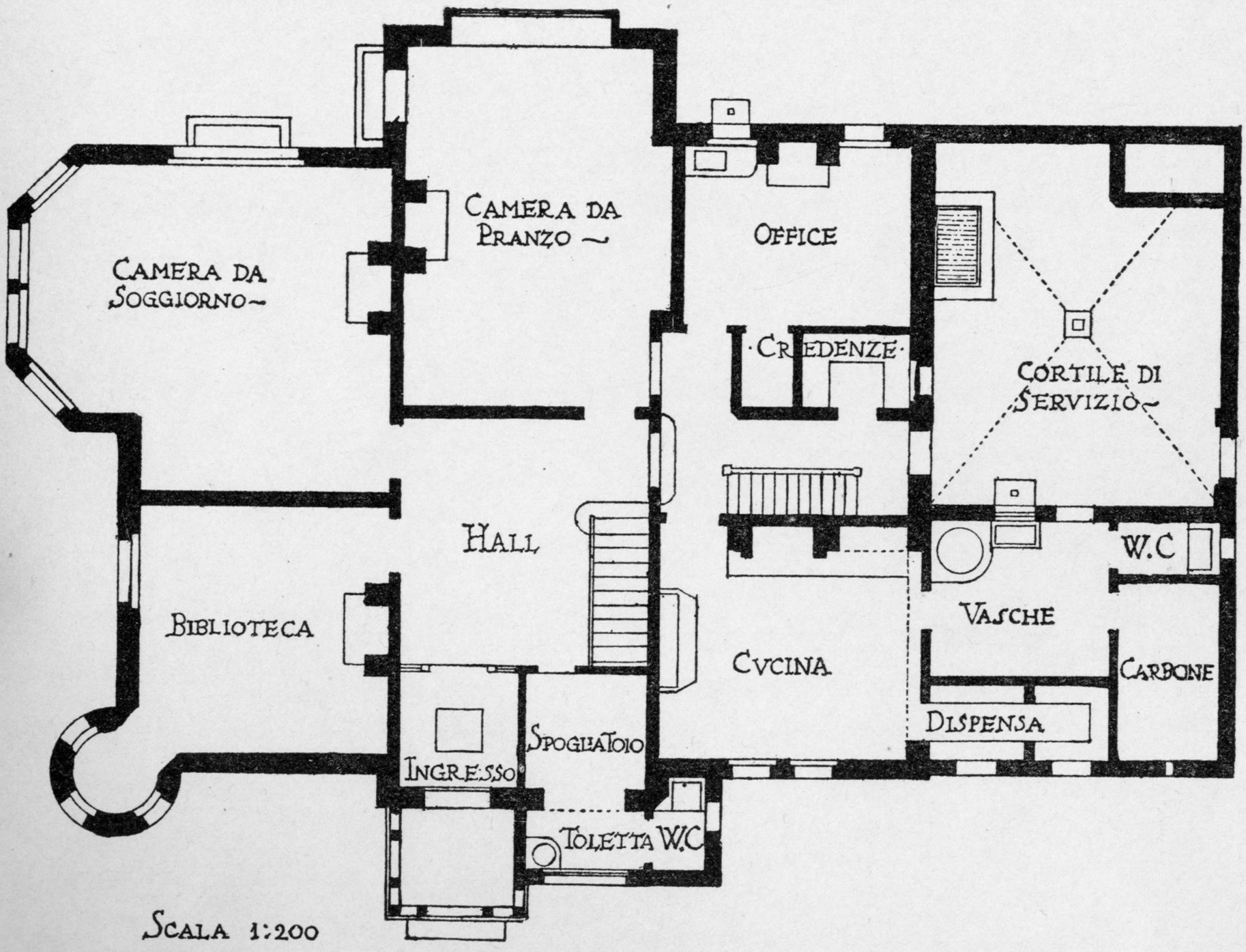


Fig. 2. — Tipo di villino inglese (Pianta del pianterreno).

Proprietà artistica.

Fig. 1. — Prospetto principale.

Progetto per la villa Torlonia in Formia (arch. Giovannoni).

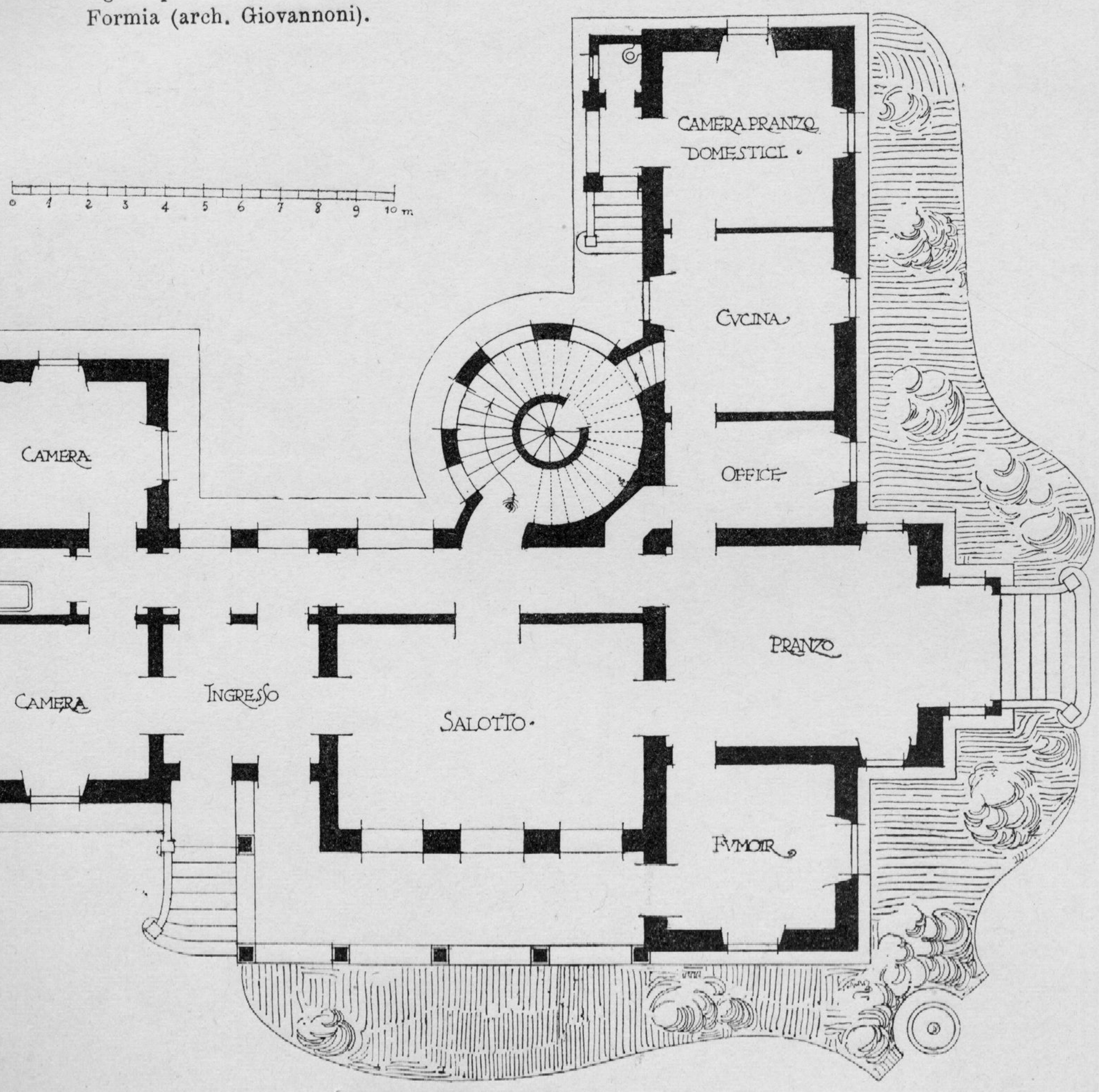


Fig. 2. — Pianta del pianterreno.

Proprietà artistica.

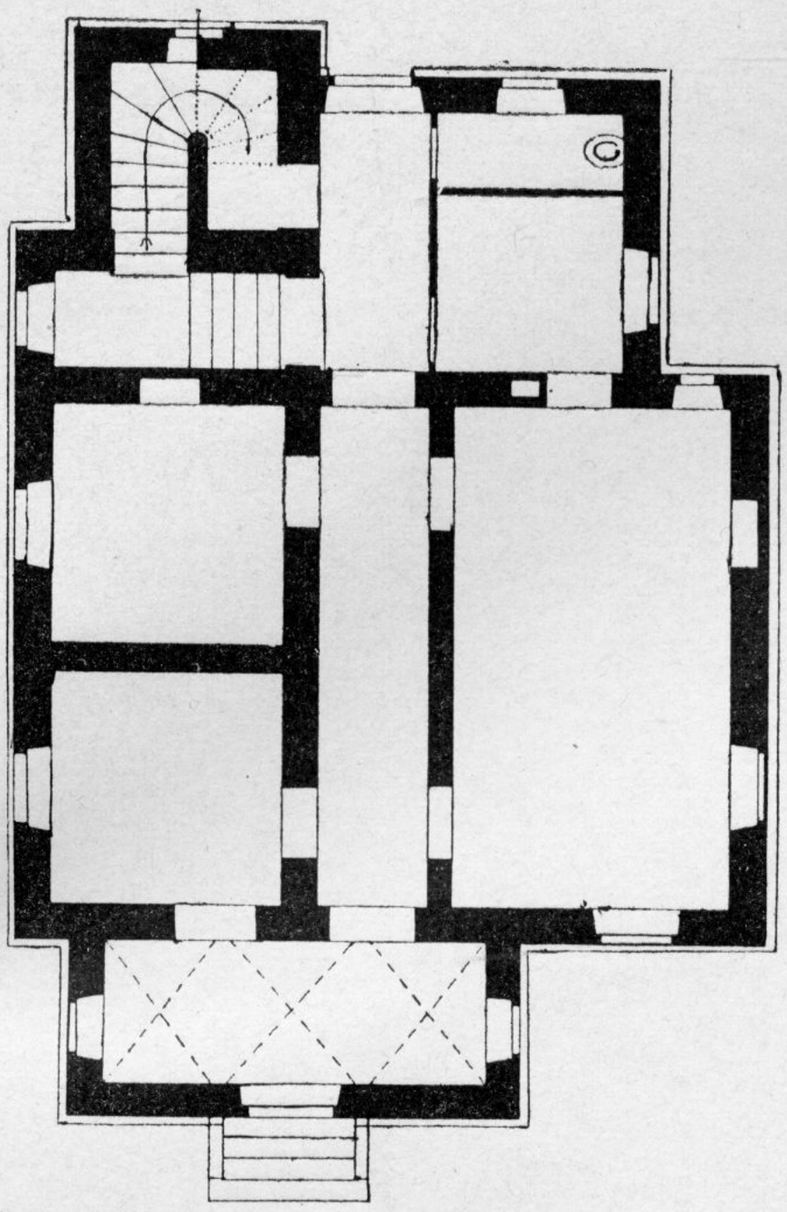


Fig. 1. — Pianta del pianterreno.

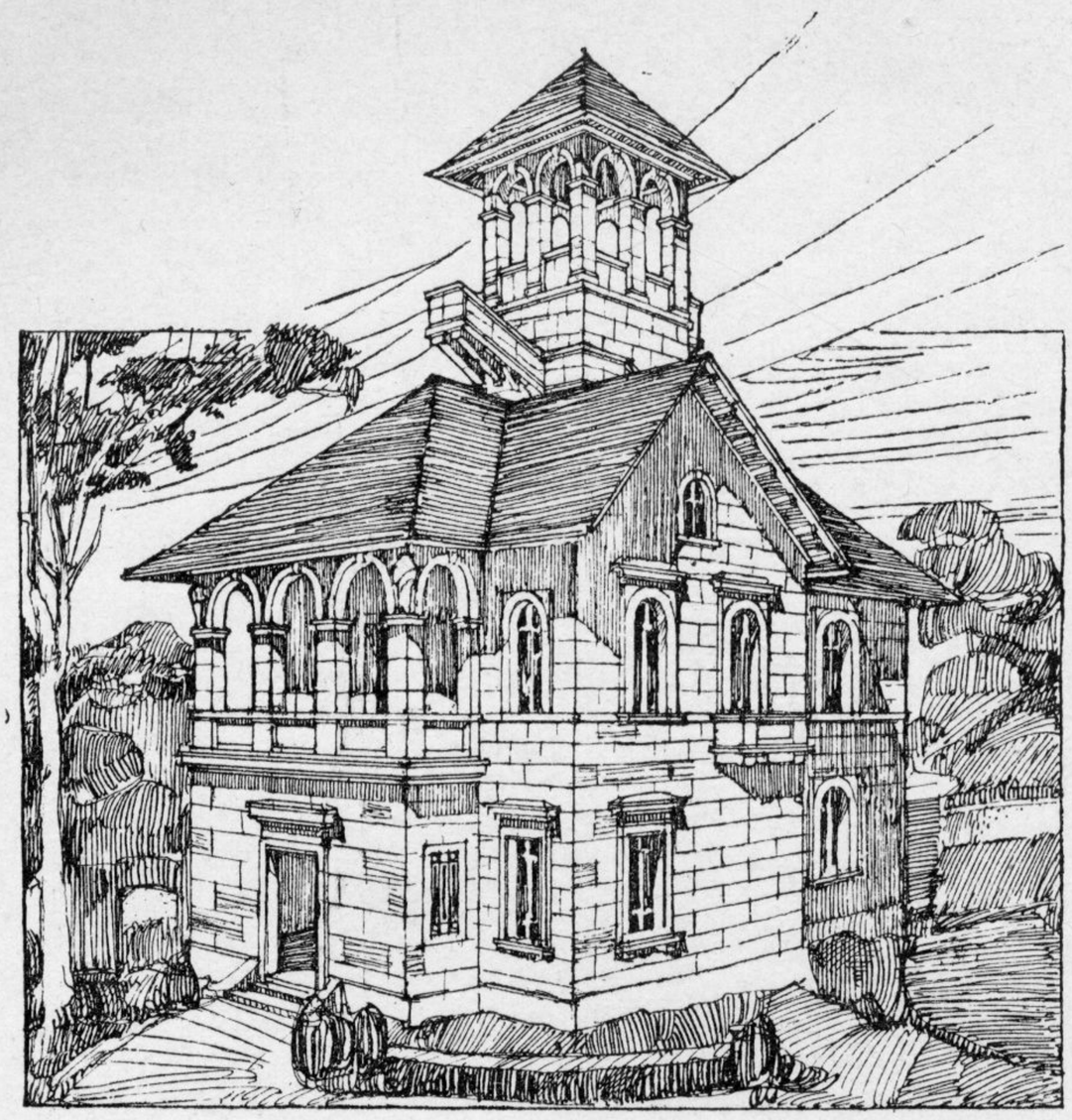


Fig. 3. — Vista anteriore.

0 1 2 3 4 5 m.

Villino Venturi in Baiso (arch. Giovannoni).

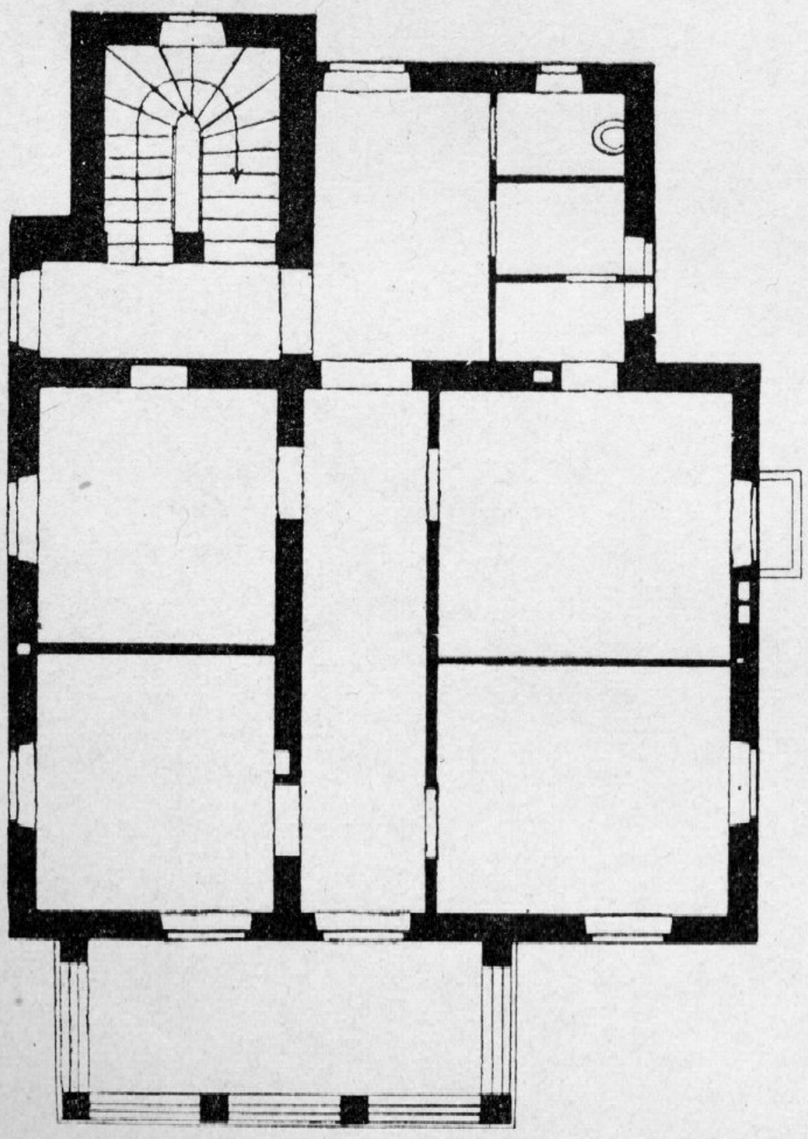


Fig. 2. — Pianta del 1° piano.

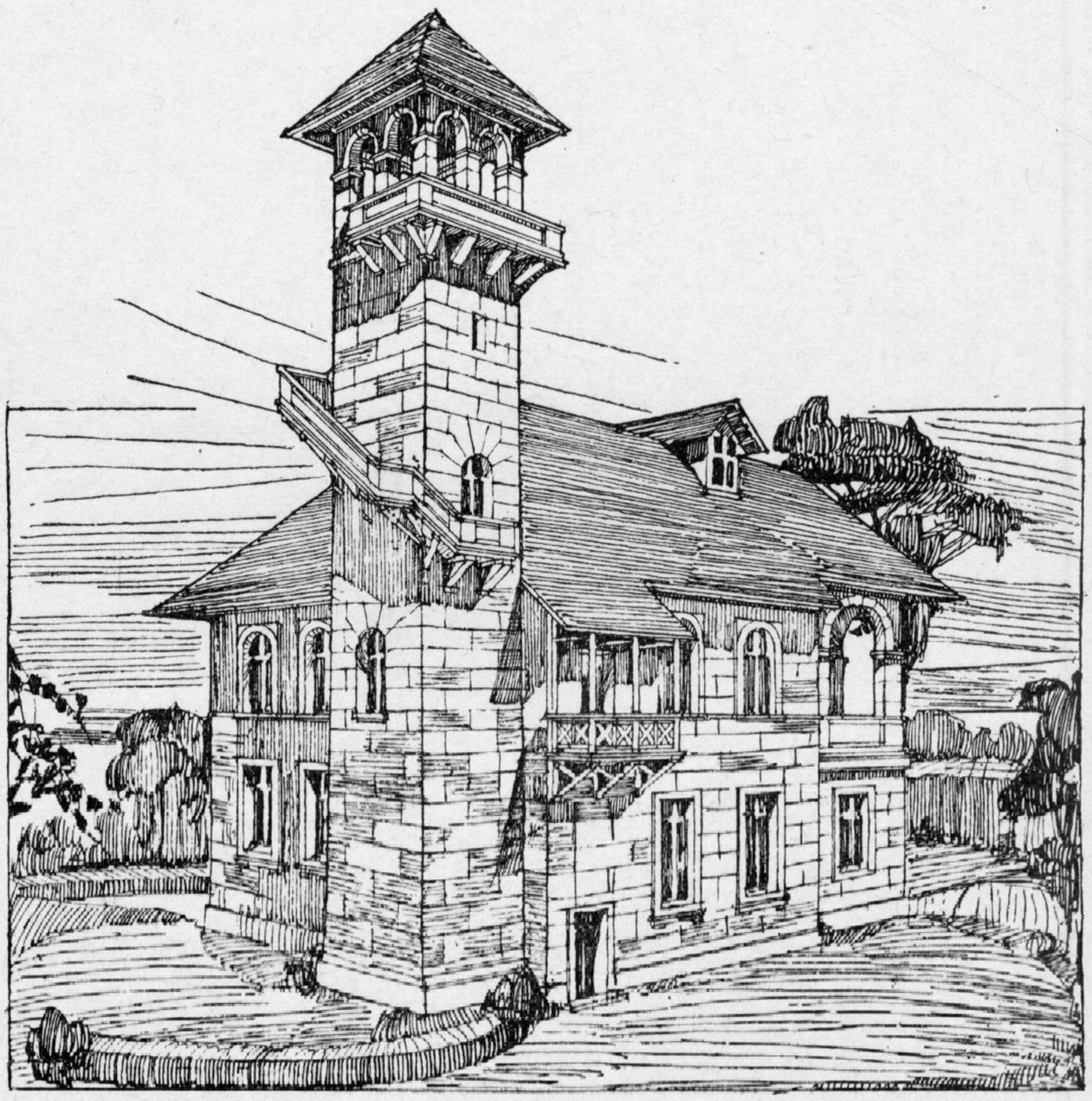
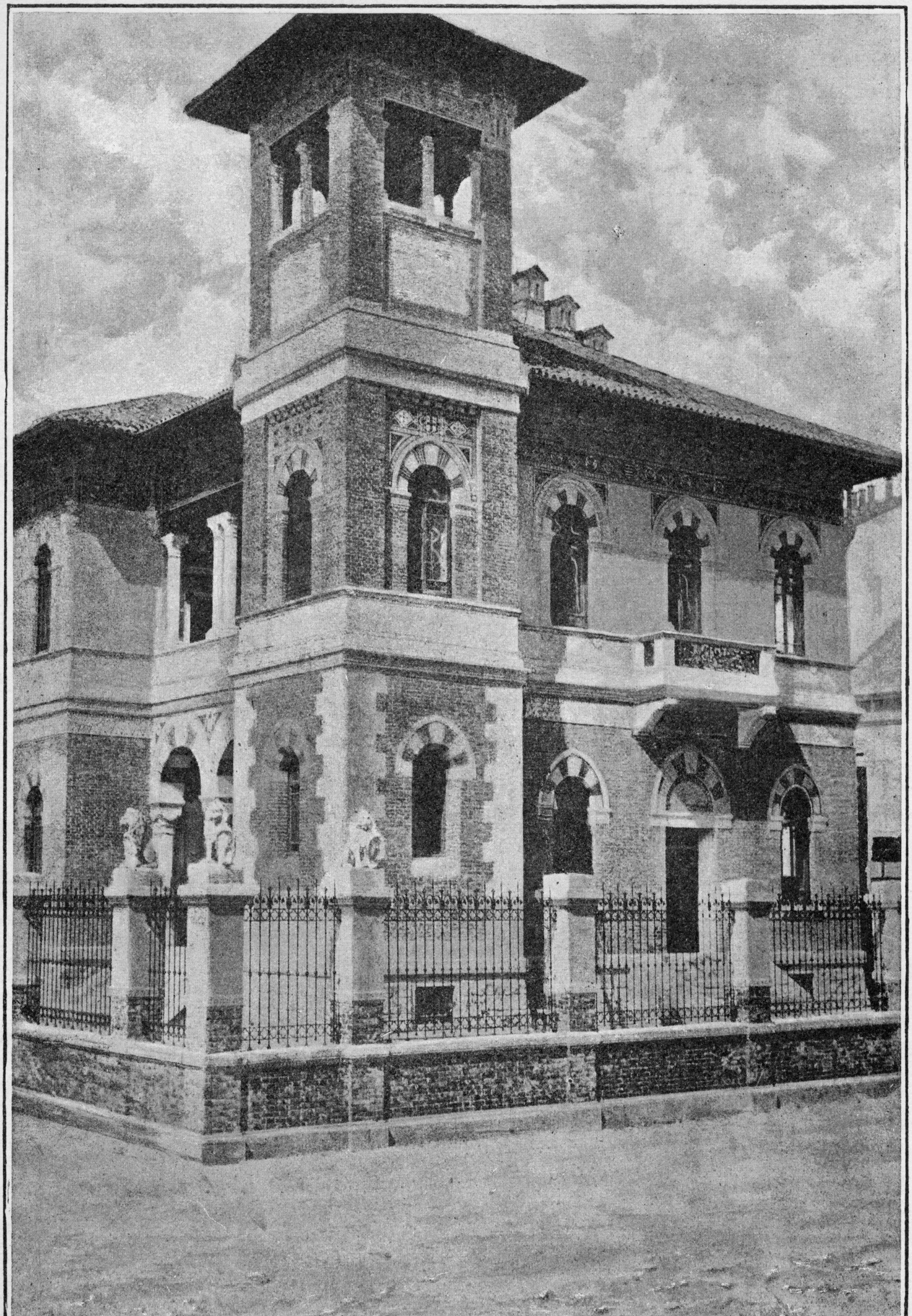


Fig. 4. — Vista posteriore.

Proprietà artistica.



Villino Galbiati, via E. Dandolo, Milano (Arch. E. Zanoni).

Proprietà artistica.

SCUOLA D'INGEGNERIA BOLOGNA

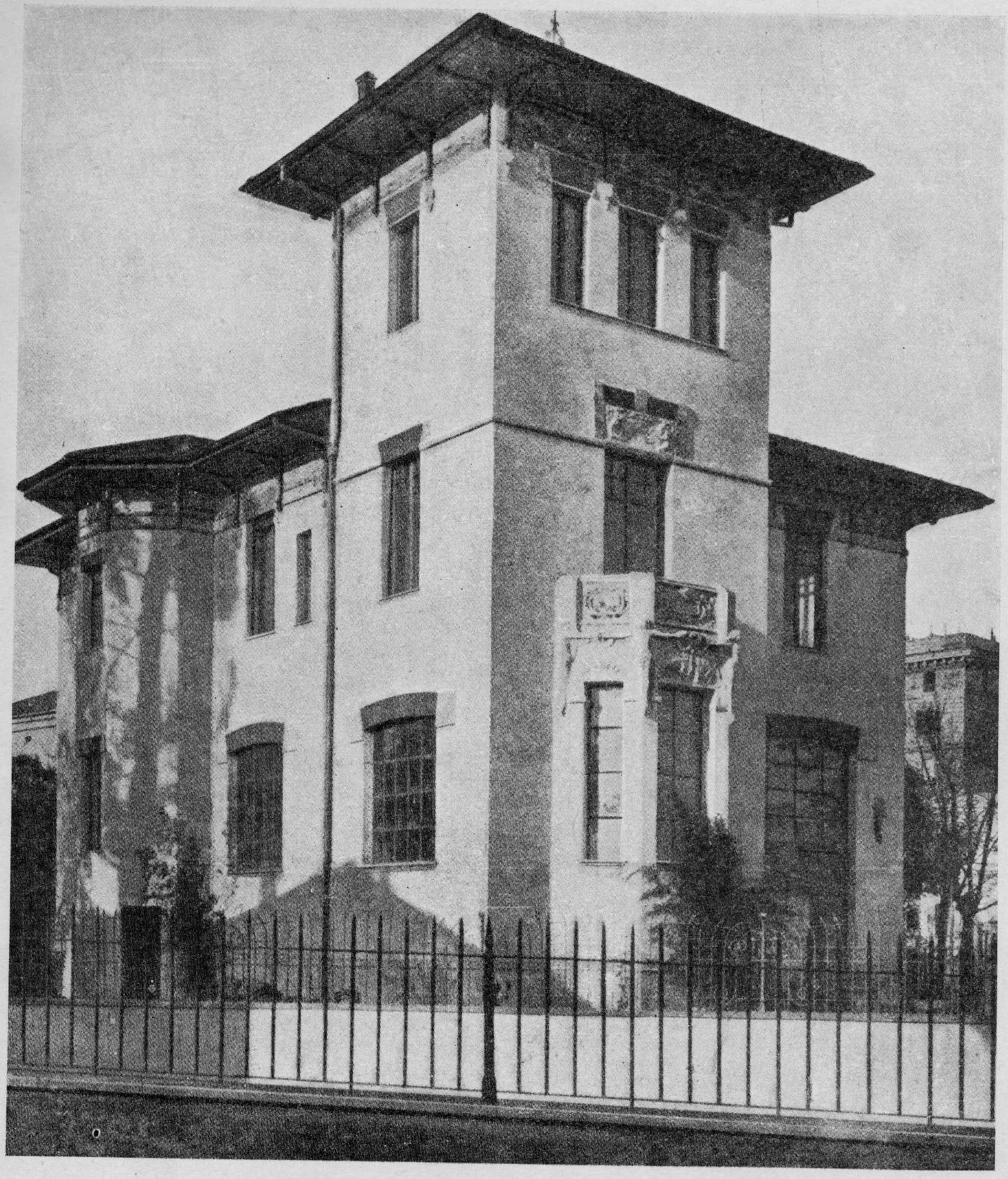


Fig. 1. — Vista d'insieme.

Villino Nicolini in Roma (arch. Milani).

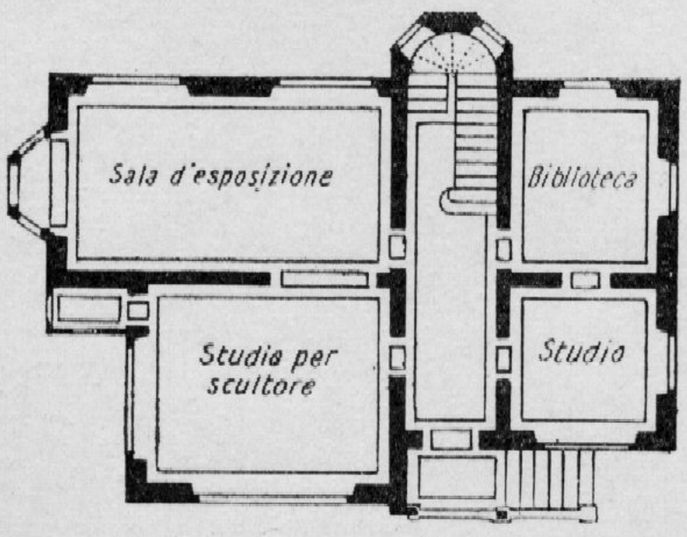


Fig. 2. — Vista del pianterreno.

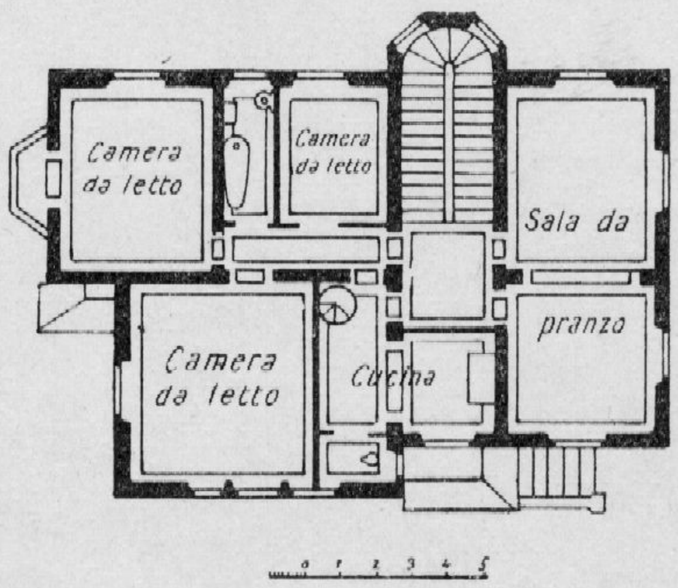


Fig. 3. — Pianta del 1° piano.

Proprietà artistica.

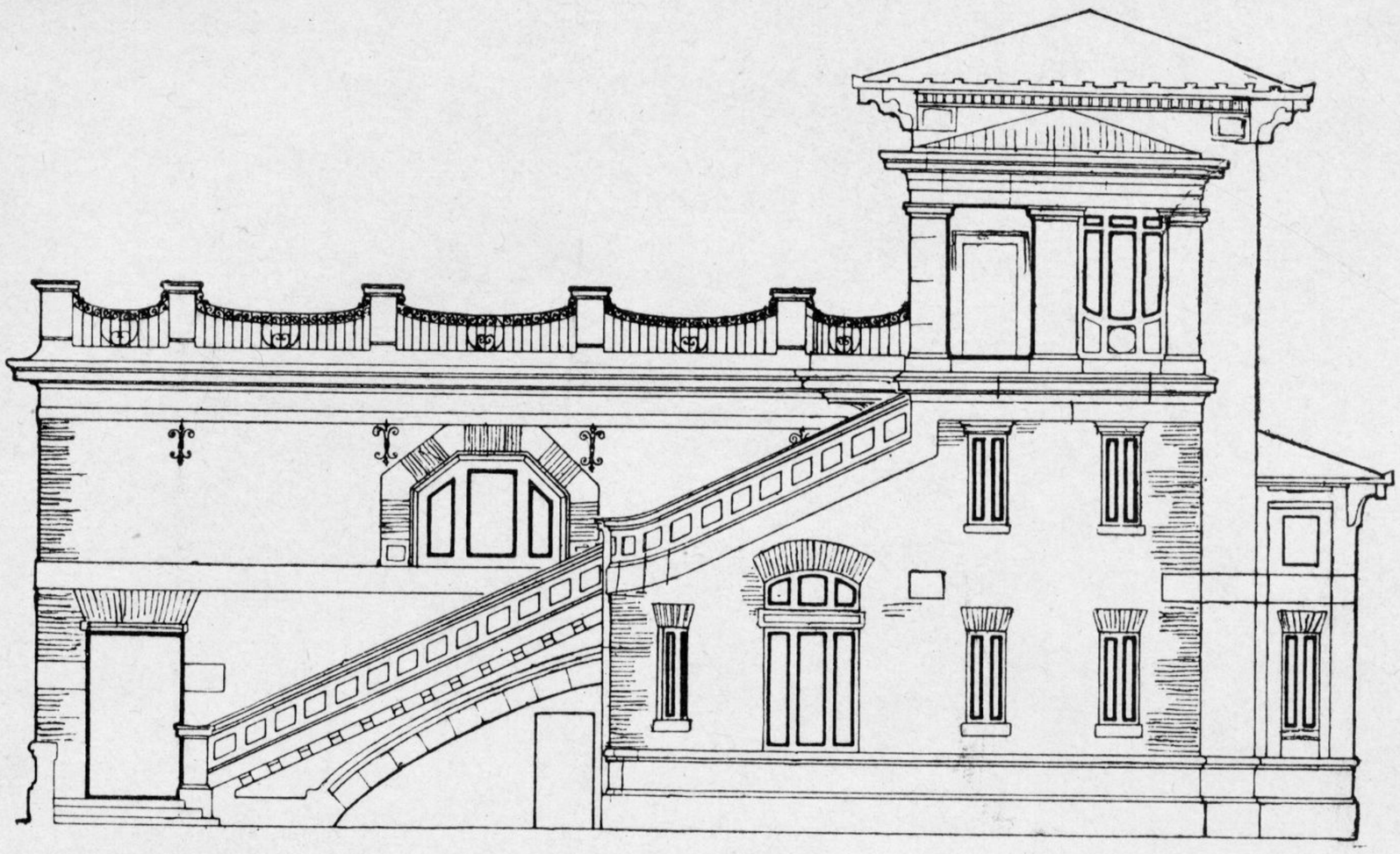


Fig 1.
Fianco dello studio e villino Ezekiel in Roma, con scala esterna.
(Progetto Giovannoni).

Scala 1:200

Fig. 2.
Torretta della scala nell'edificio annesso alla villa Torlonia.
(arch. Giovannoni).

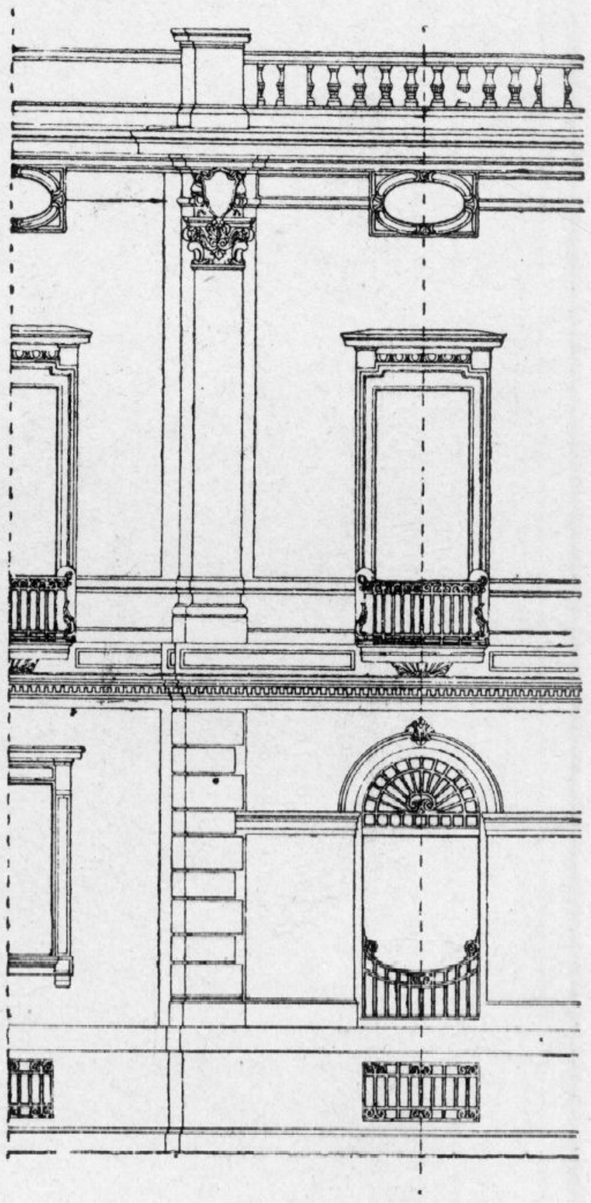
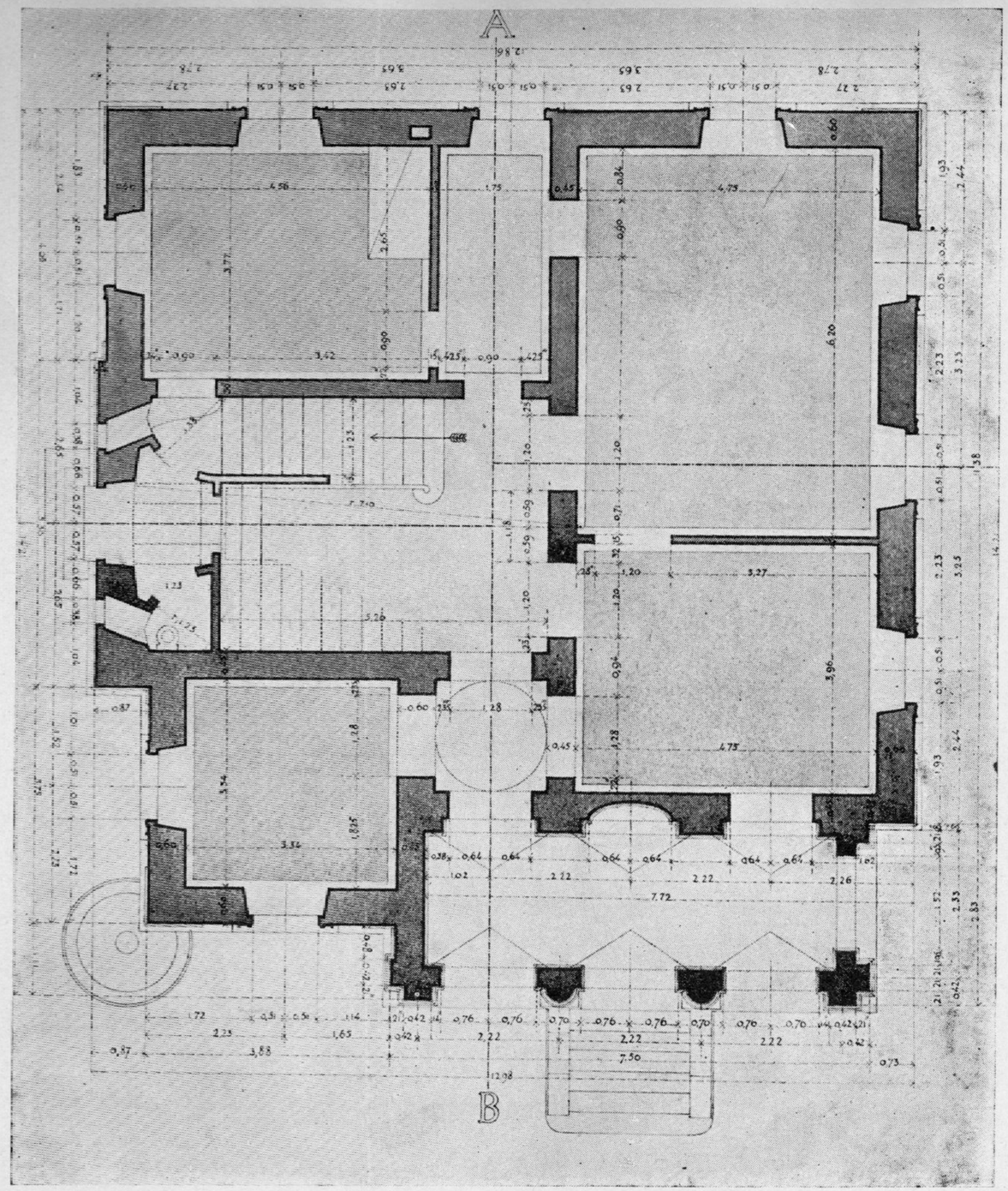
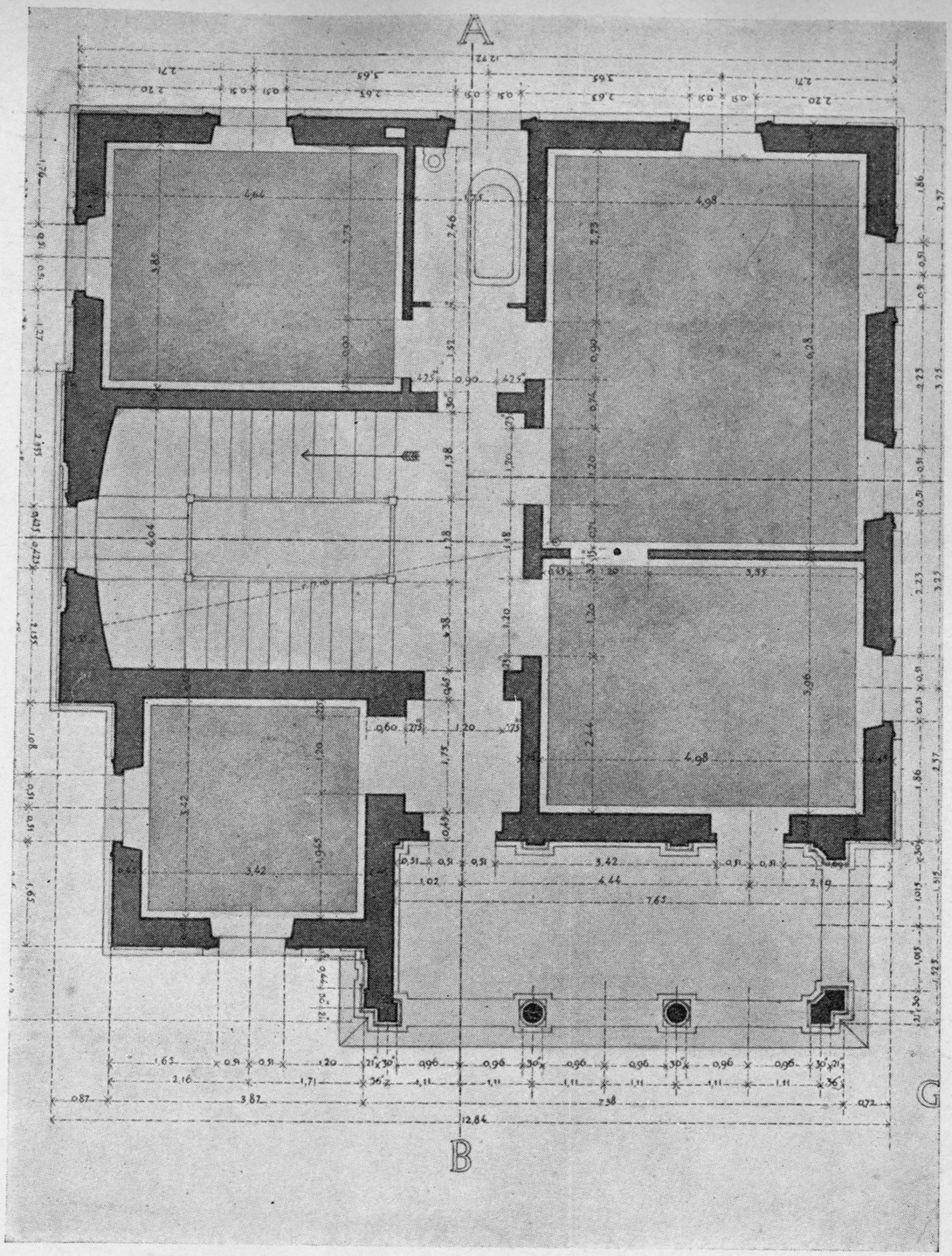


Fig. 3.
Particolare della villa Torlonia.
(arch. Giovannoni).

Proprietà artistica.



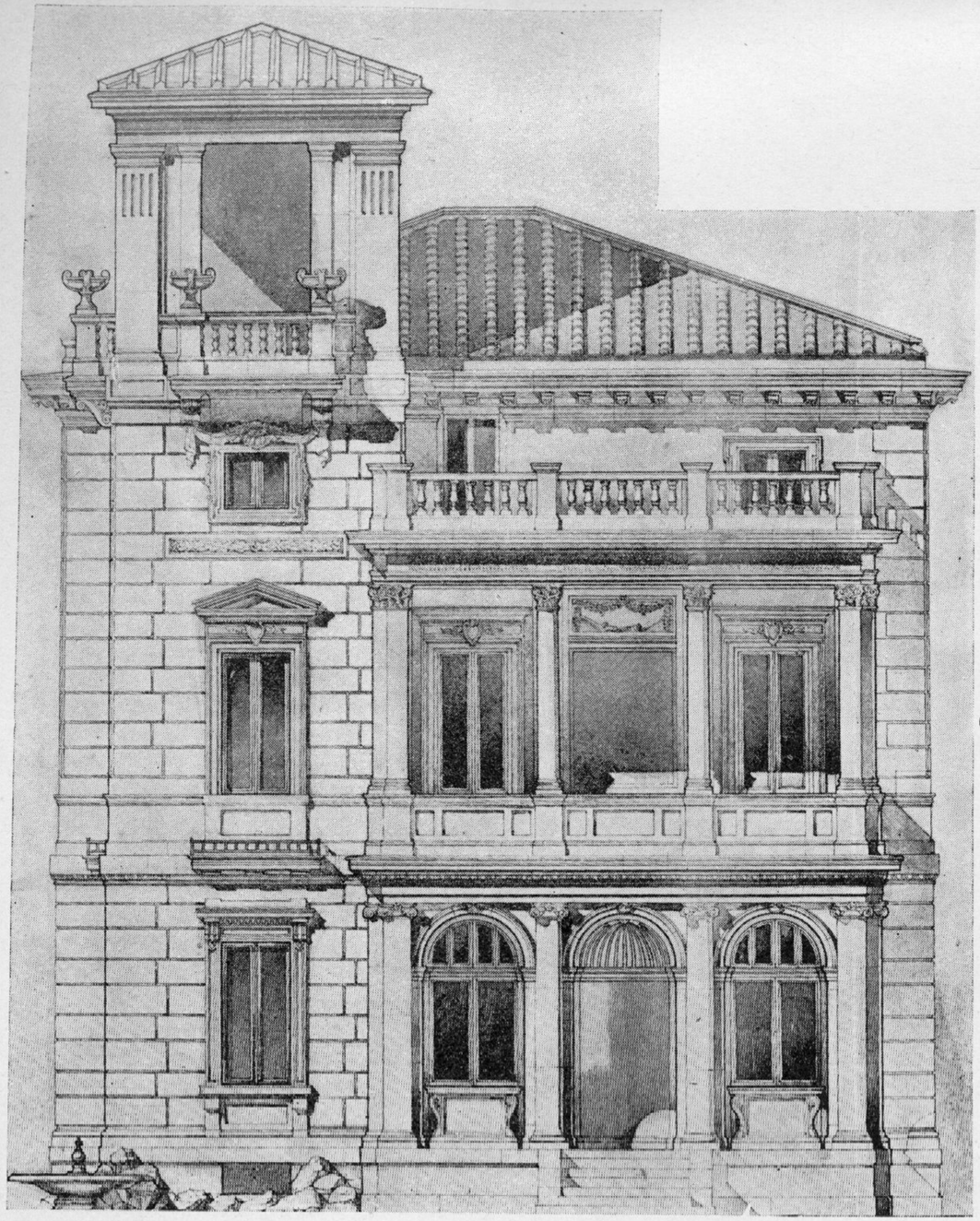
Pianta del piano terreno.



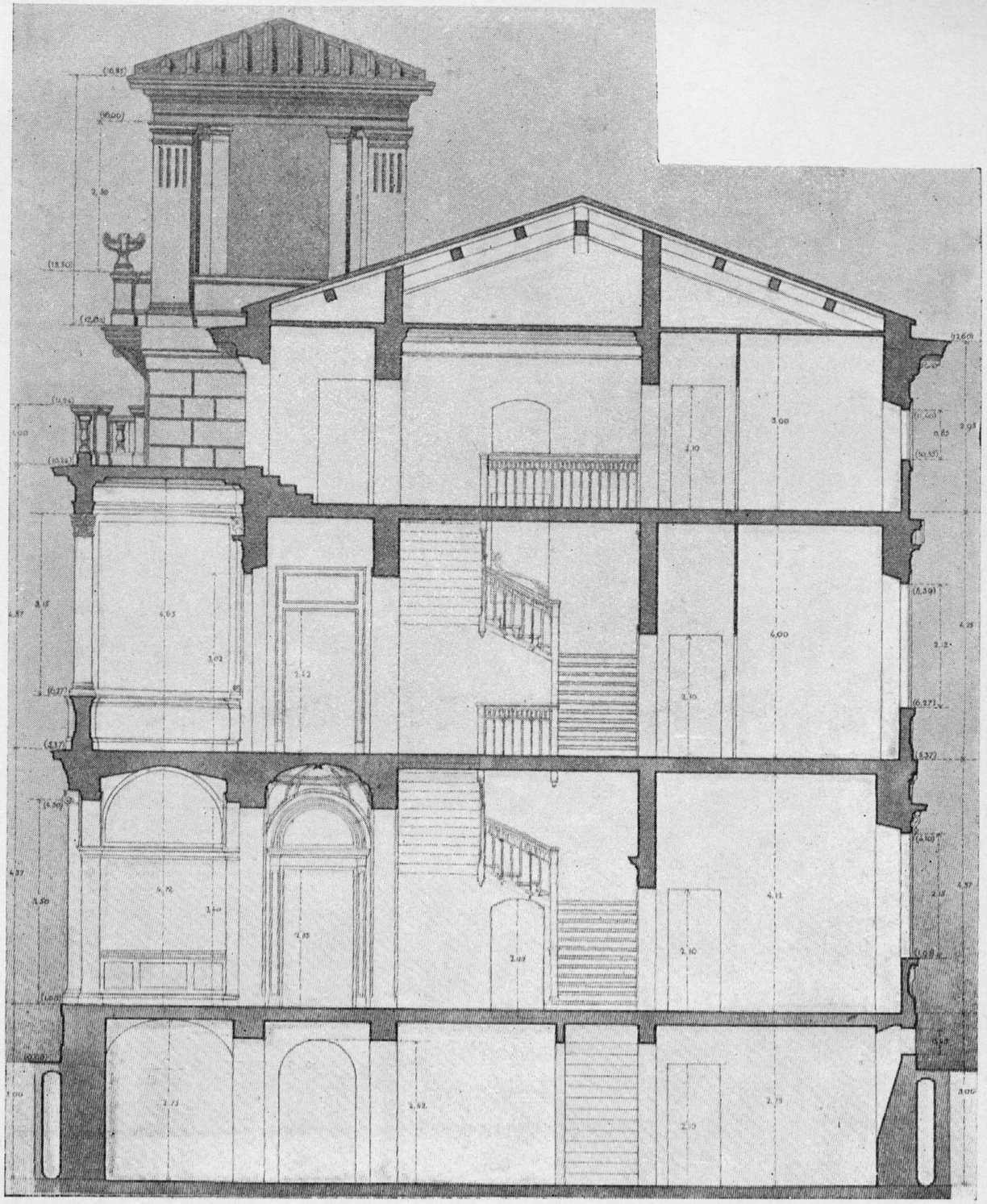
Pianta del primo piano.

PROGETTO DI UN VILLINO

Proprietà artistica.



Prospetto principale (Scala 1. 140).

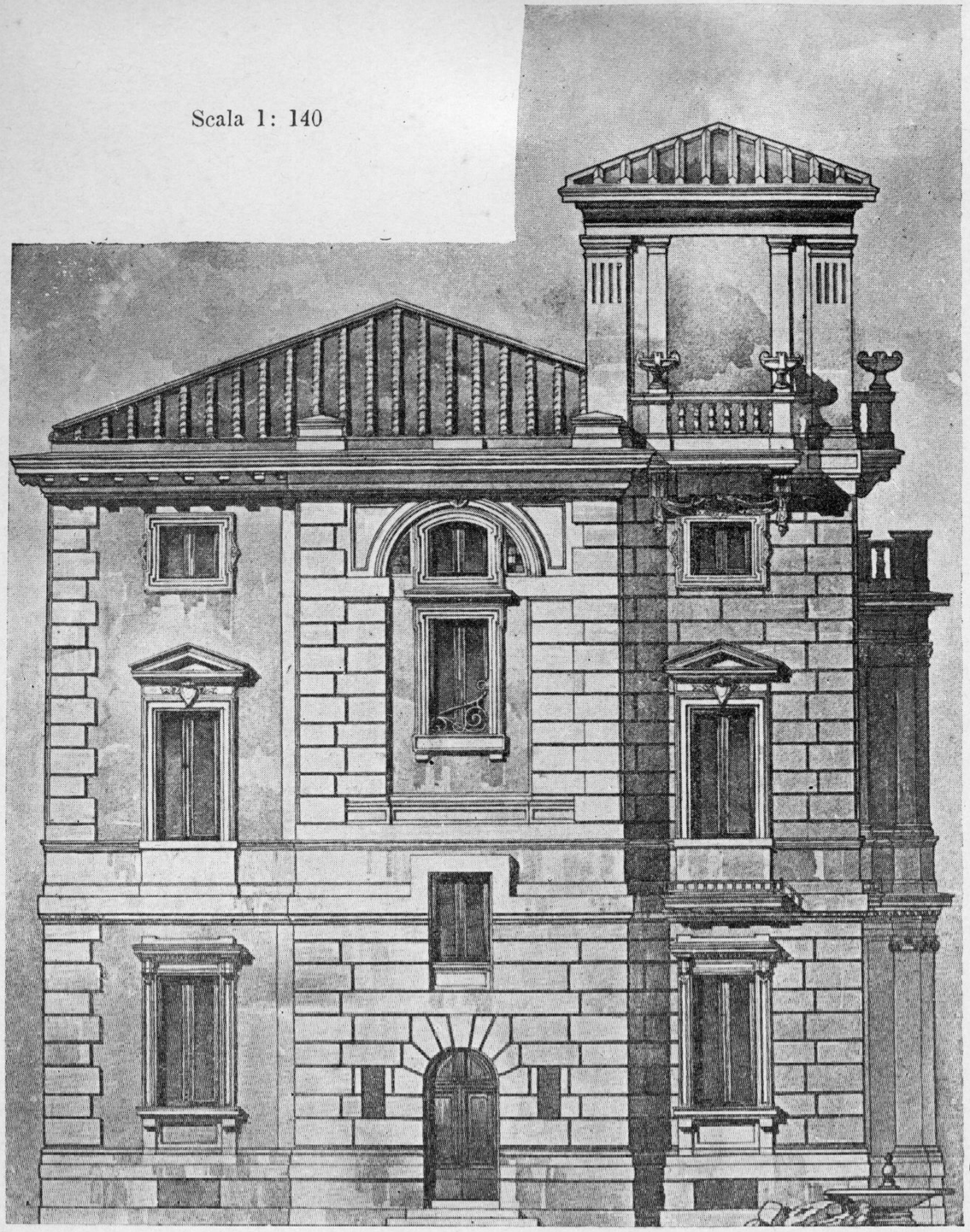


Sezione trasversale A B.

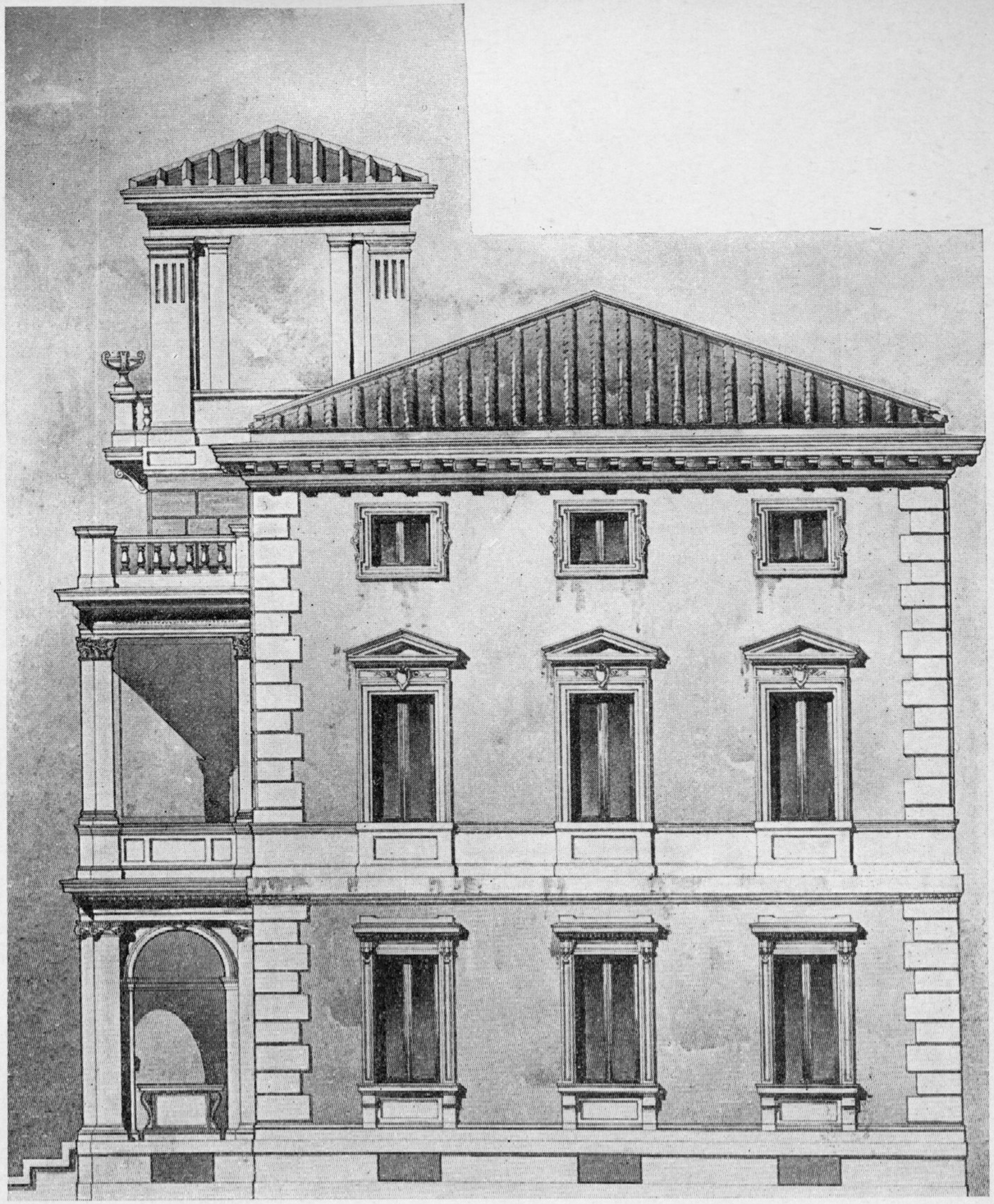
PROGETTO DI UN VILLINO

Proprietà artistica.

Scala 1: 140



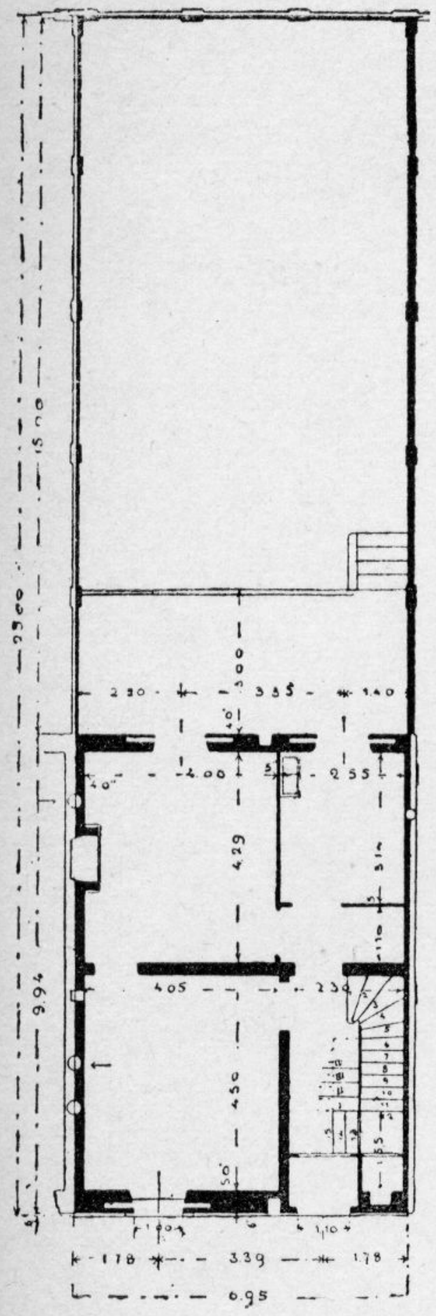
Prospetto del fianco di sinistra.



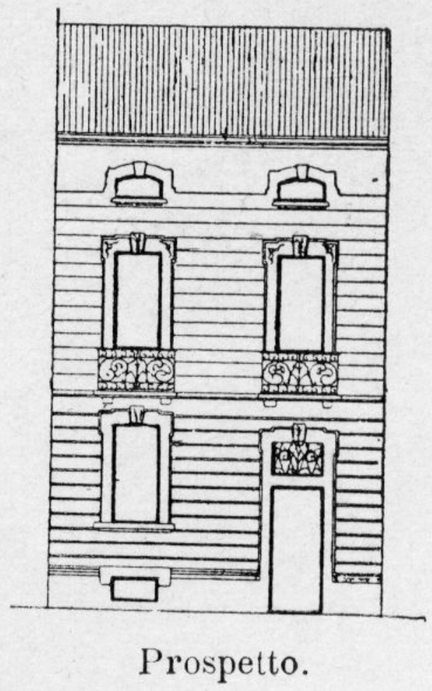
Prospetto del fianco di destra.

PROSPETTO DI UN VILLINO.

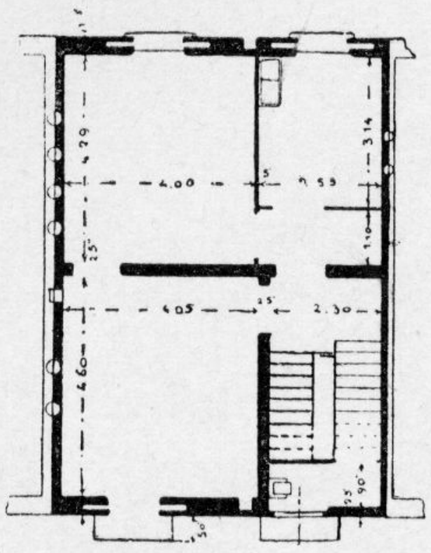
Proprietà artistica.



Pianta P. T.

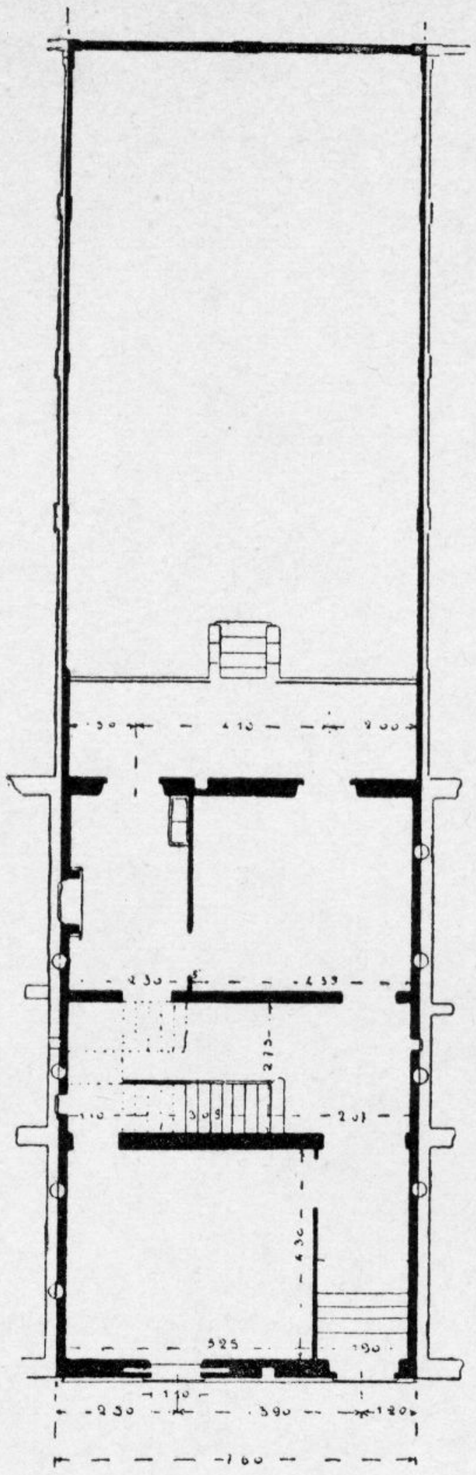


Prospetto.

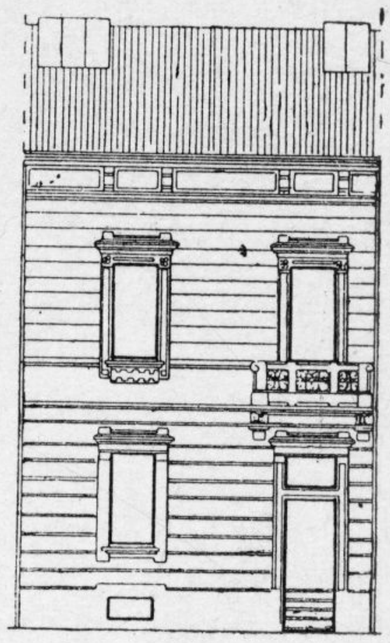


Pianta 1.° P.

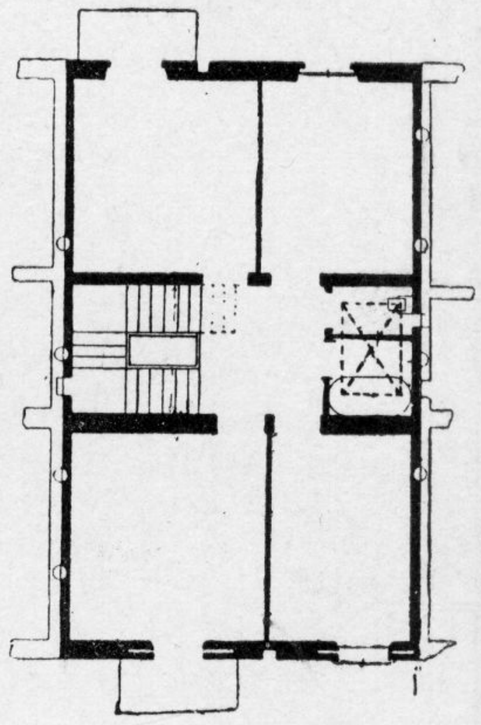
Fig. 1.



Pianta P. T.



Prospetto.



Pianta 1.° P.

Fig. 2.

Casette della Cooperativa Case Alloggi di Milano.

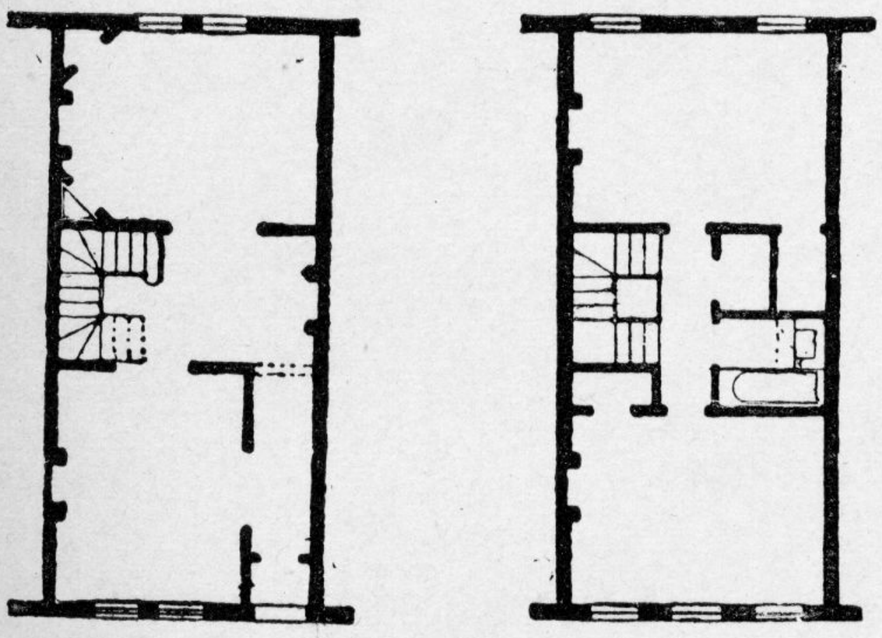


Fig. 3. — Tipi di casette americane.

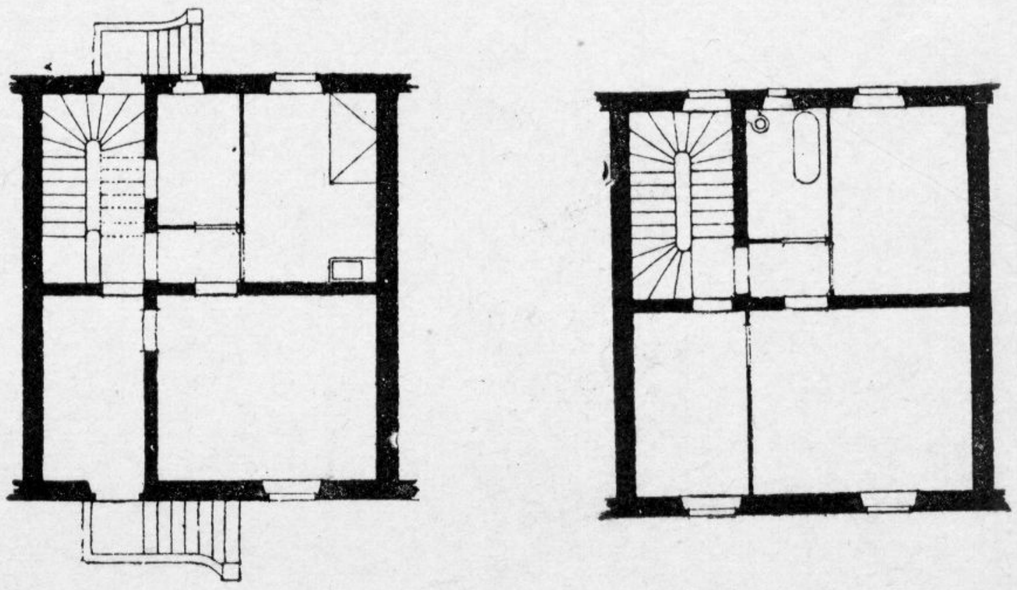


Fig. 4. — Casette della Coop. Case Alloggi Impiegati in Roma.

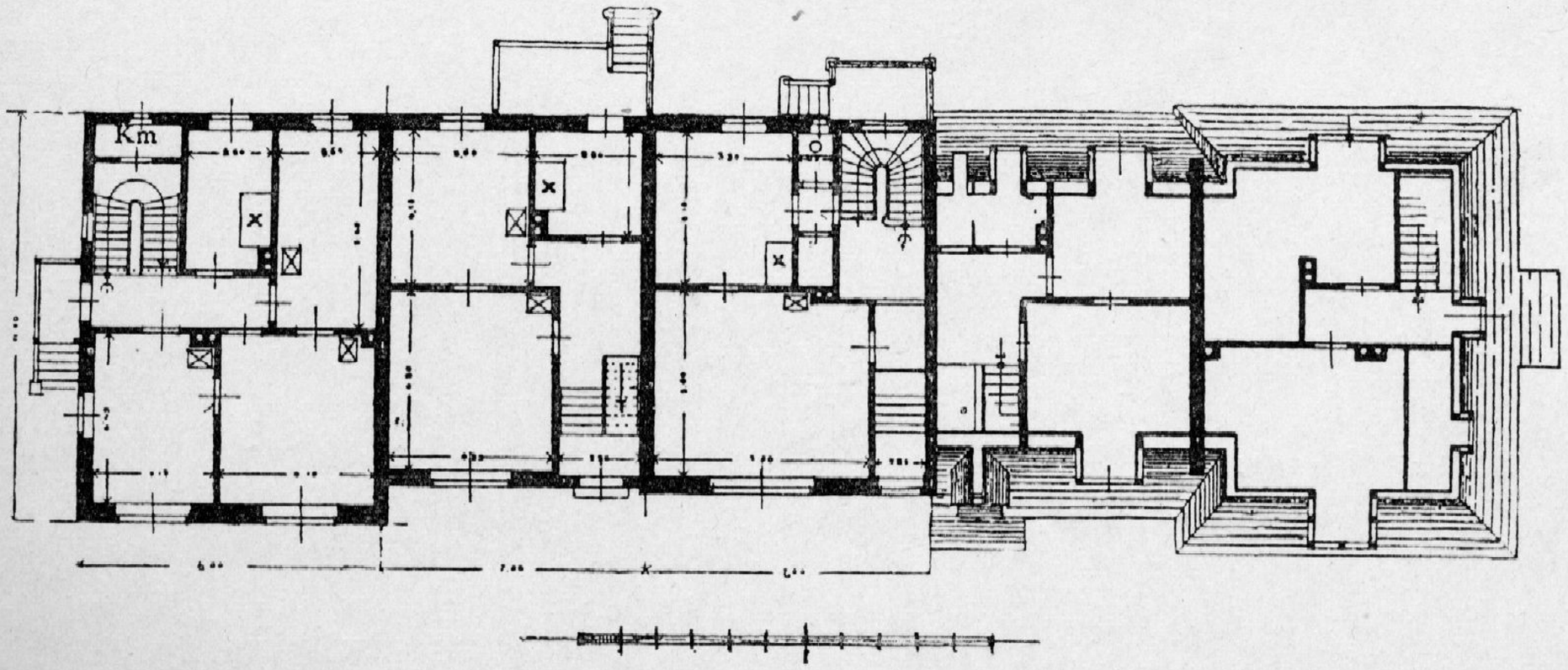


Fig. 5. — Gruppo di casette in Ninphenburg-Gern.

Proprietà artistica.

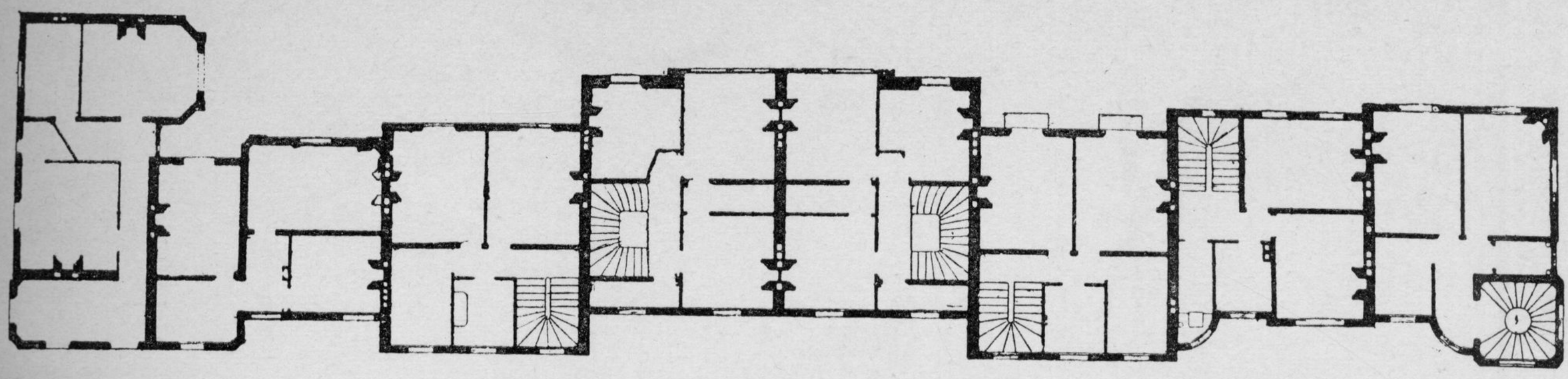


Fig. 1. — Pianta del 1° piano.

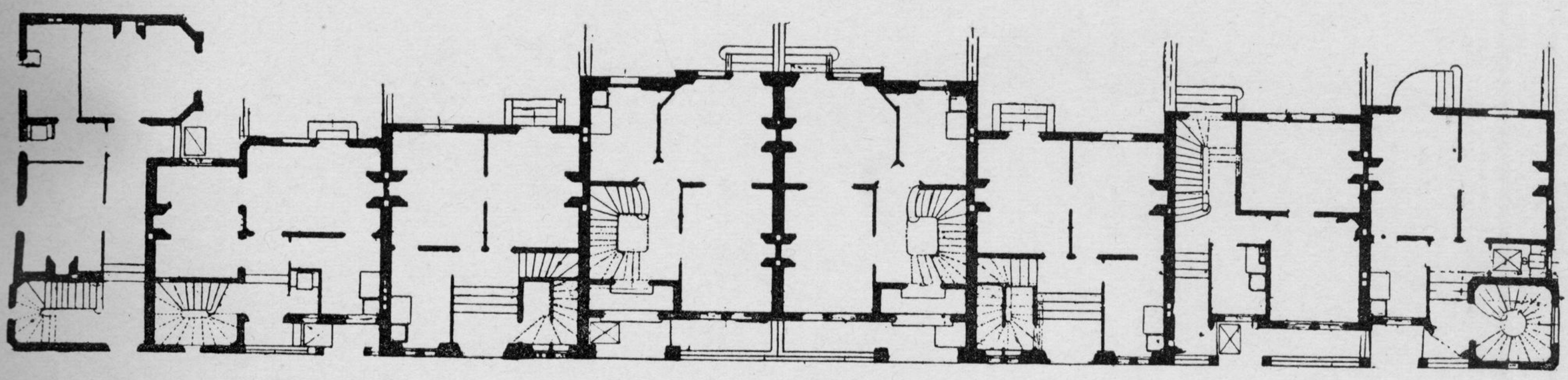


Fig. 2. — Pianta del piano terreno.

Gruppo di casette a Bécon les Bruyères.
(Arch. P. Esquie).

Fig. 3. — Vista d'insieme.

Proprietà artistica.

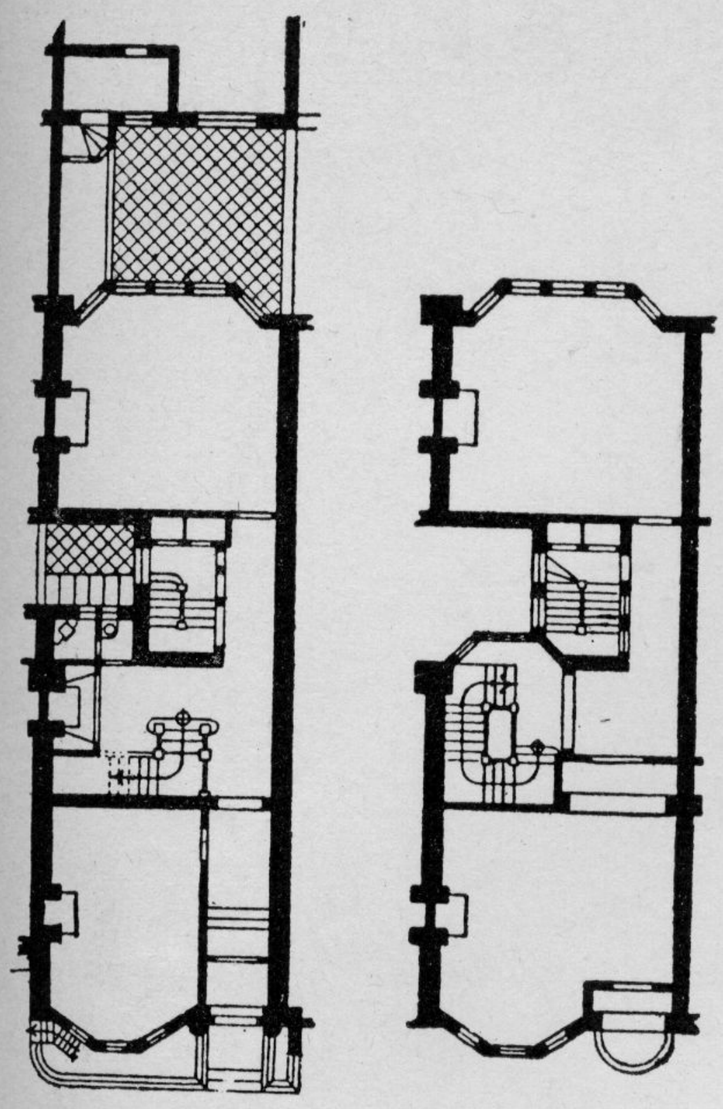


Fig. 1.
Casa in Londra, Cadogan Gardens
(arch. Knight).

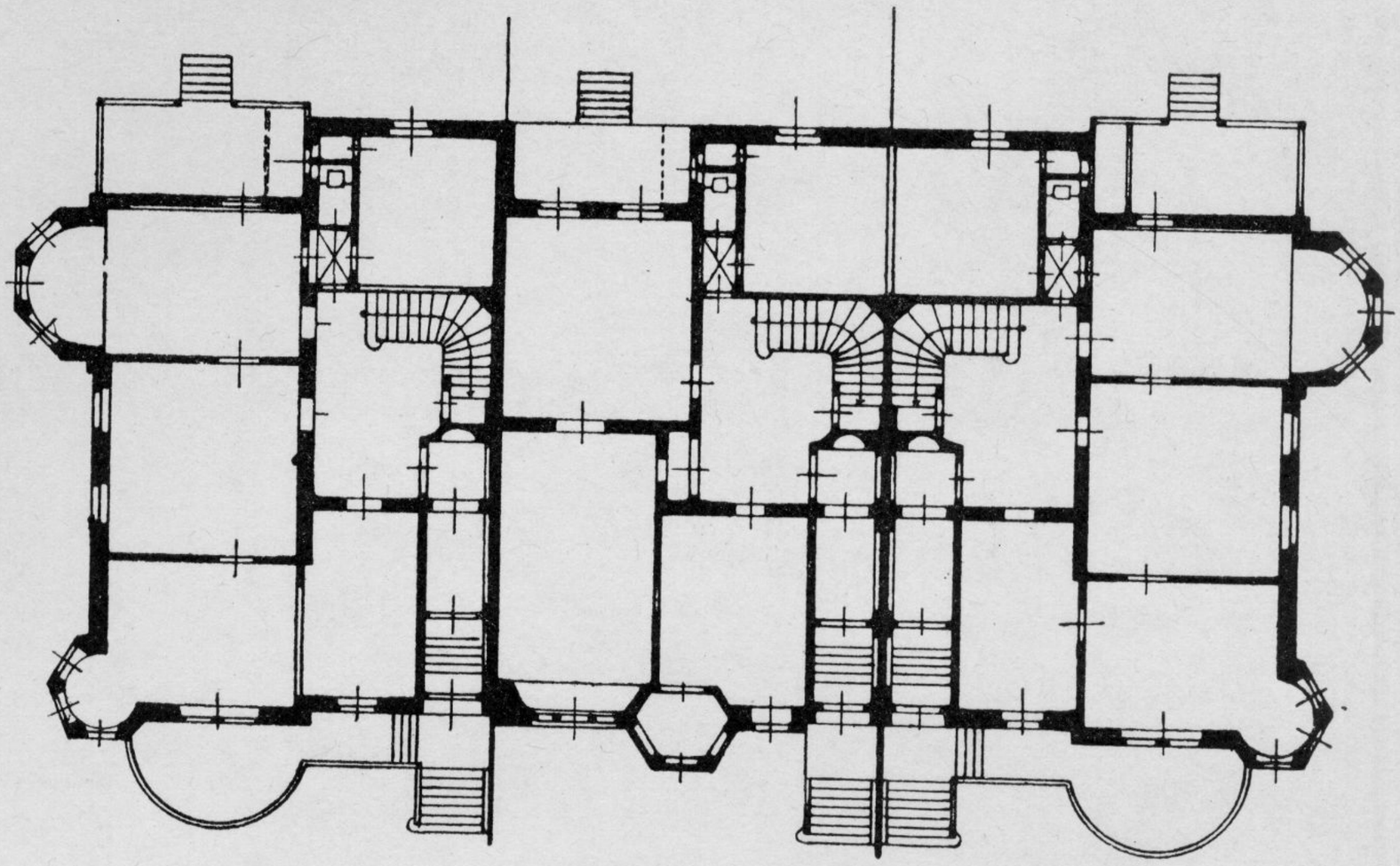
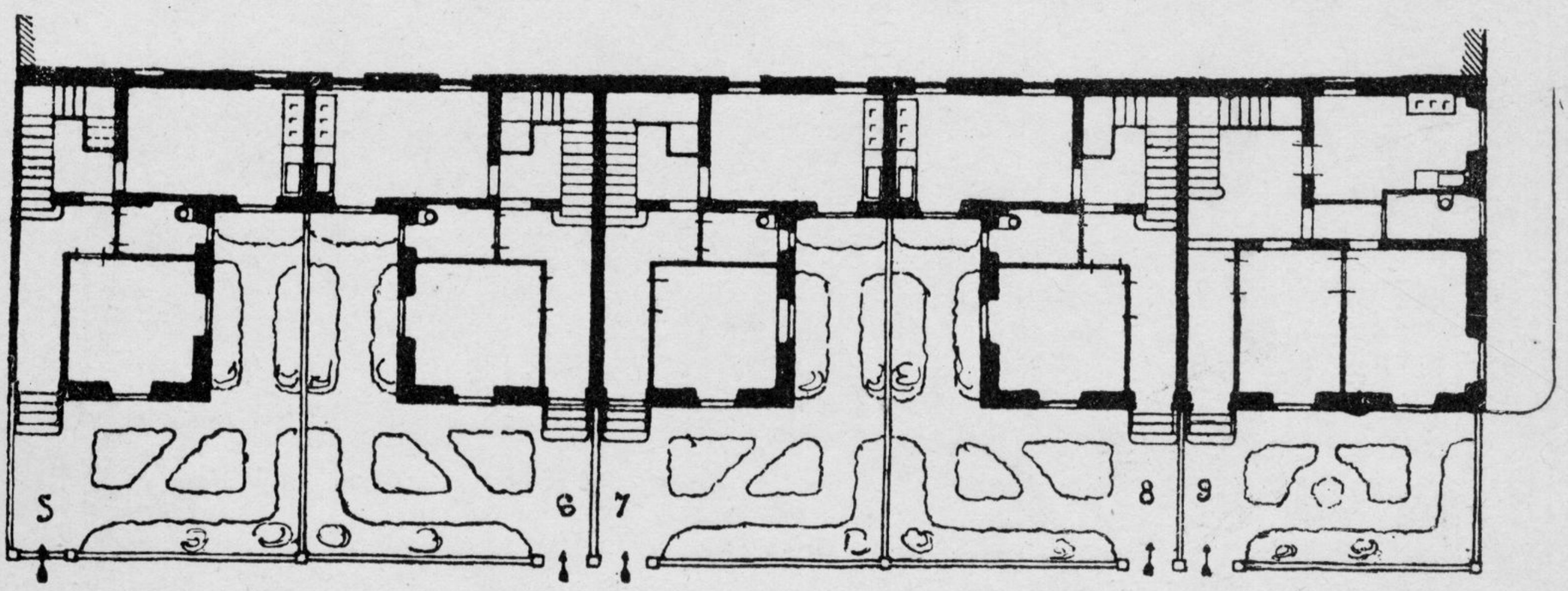


Fig. 2.
Gruppo di case in Dresda Comeniustrasse
(arch. Kraft).



Via privata intermedia.

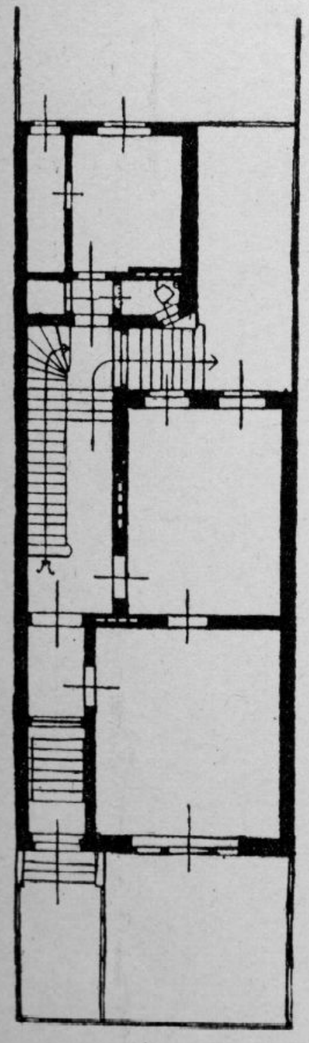


Fig. 3.
Casa in Francoforte.

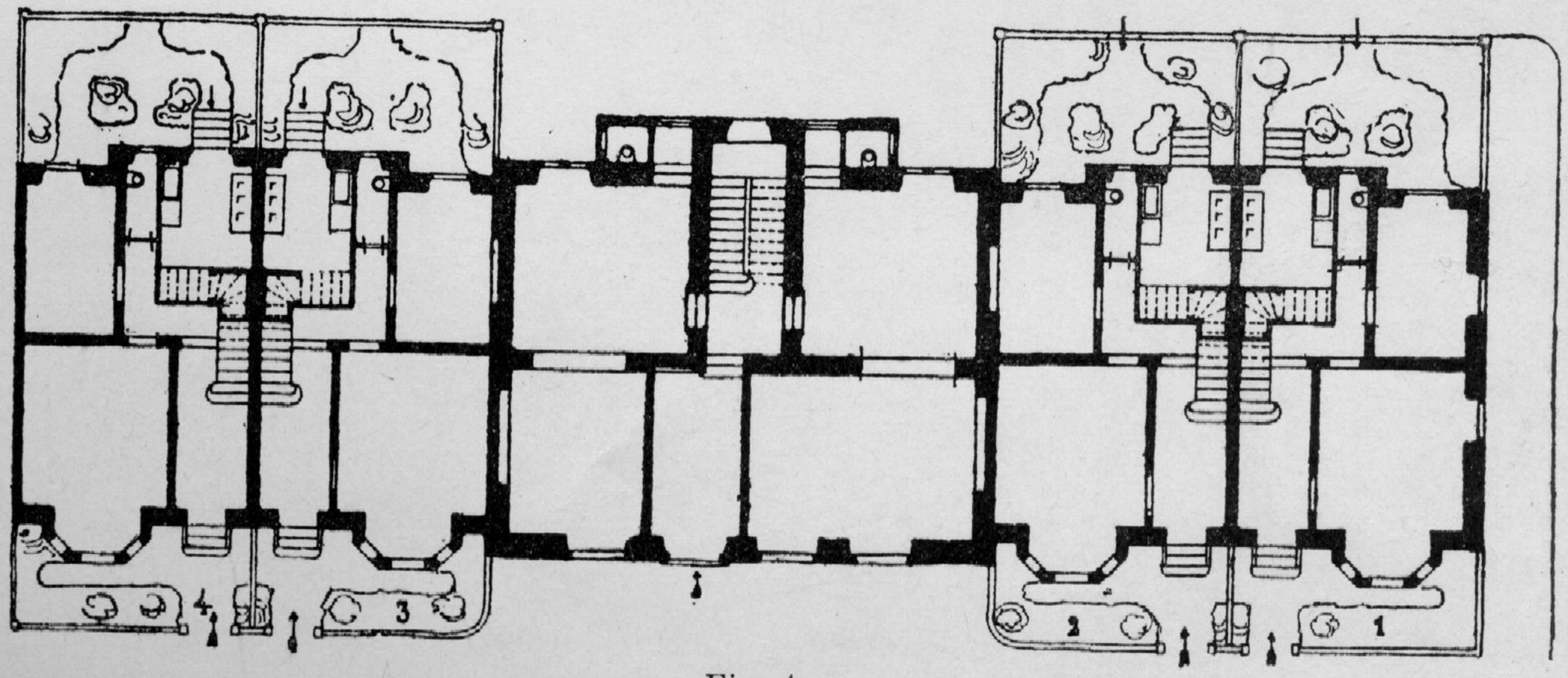


Fig. 4.
Gruppo di case al quartiere Trionfale in Roma.

Proprietà artistica.

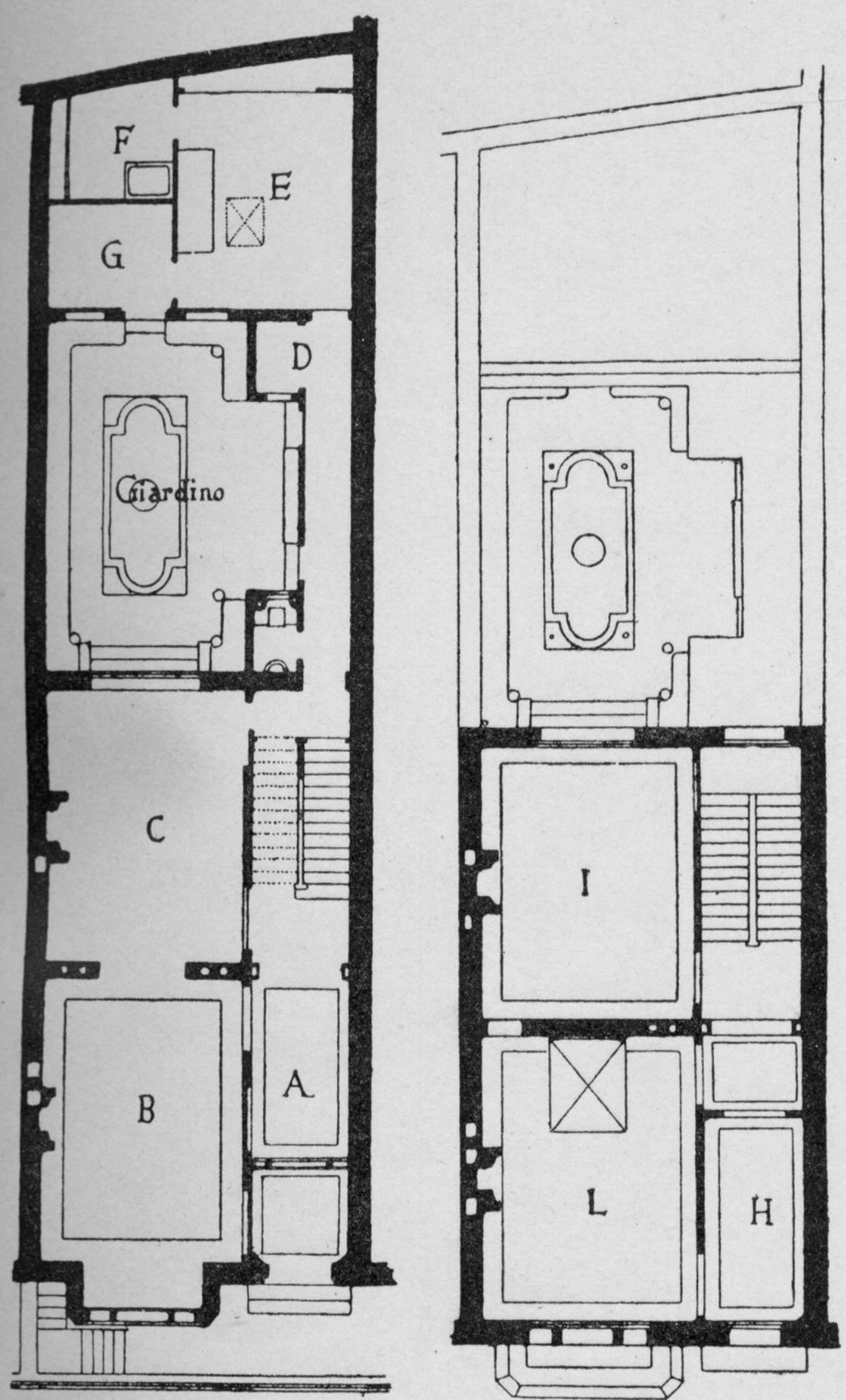


Fig. 1.
Casa in Parigi. Rue de Longchamps
(arch. Rousseau).

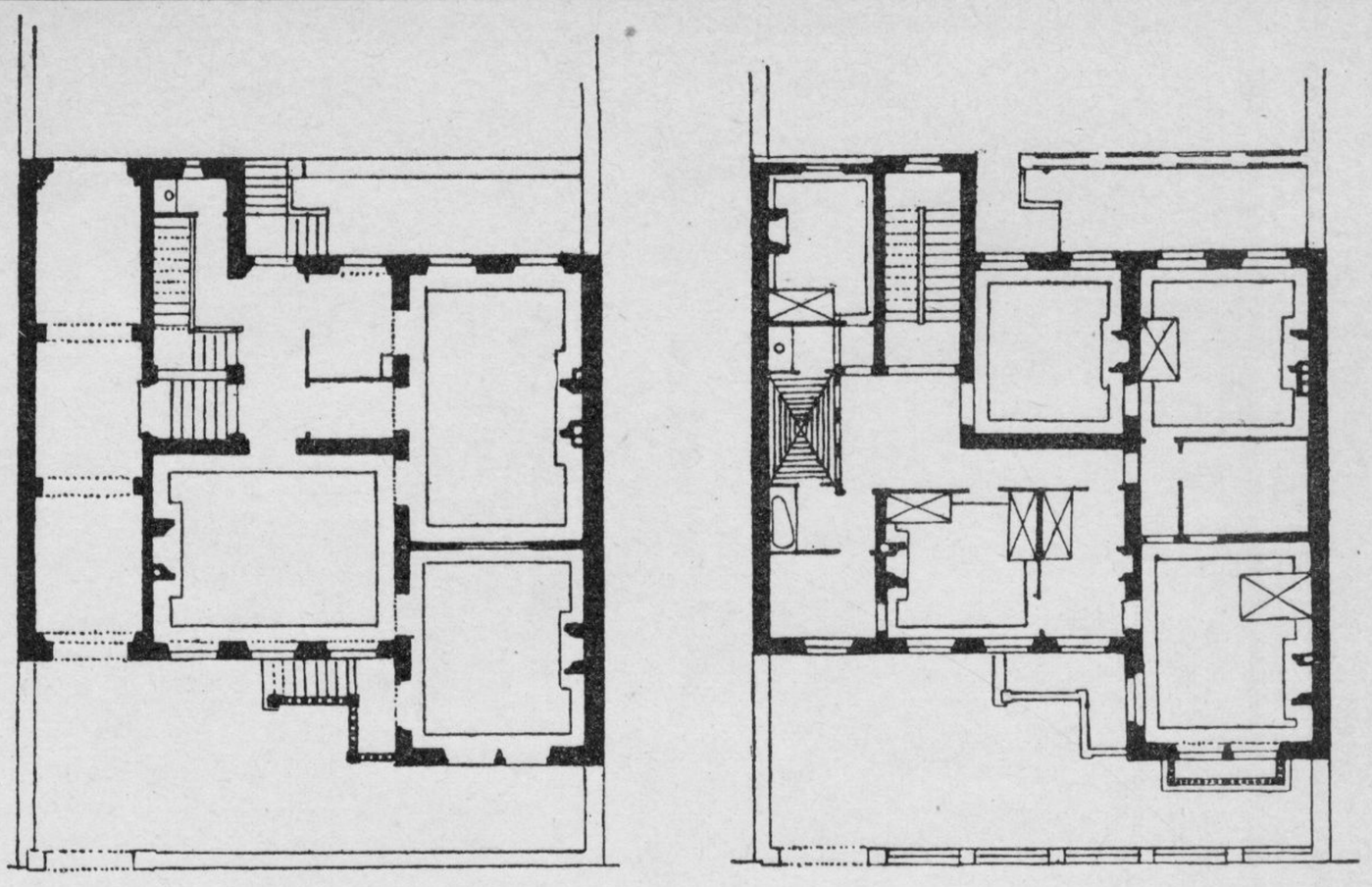


Fig. 2. — Casa in Lione.

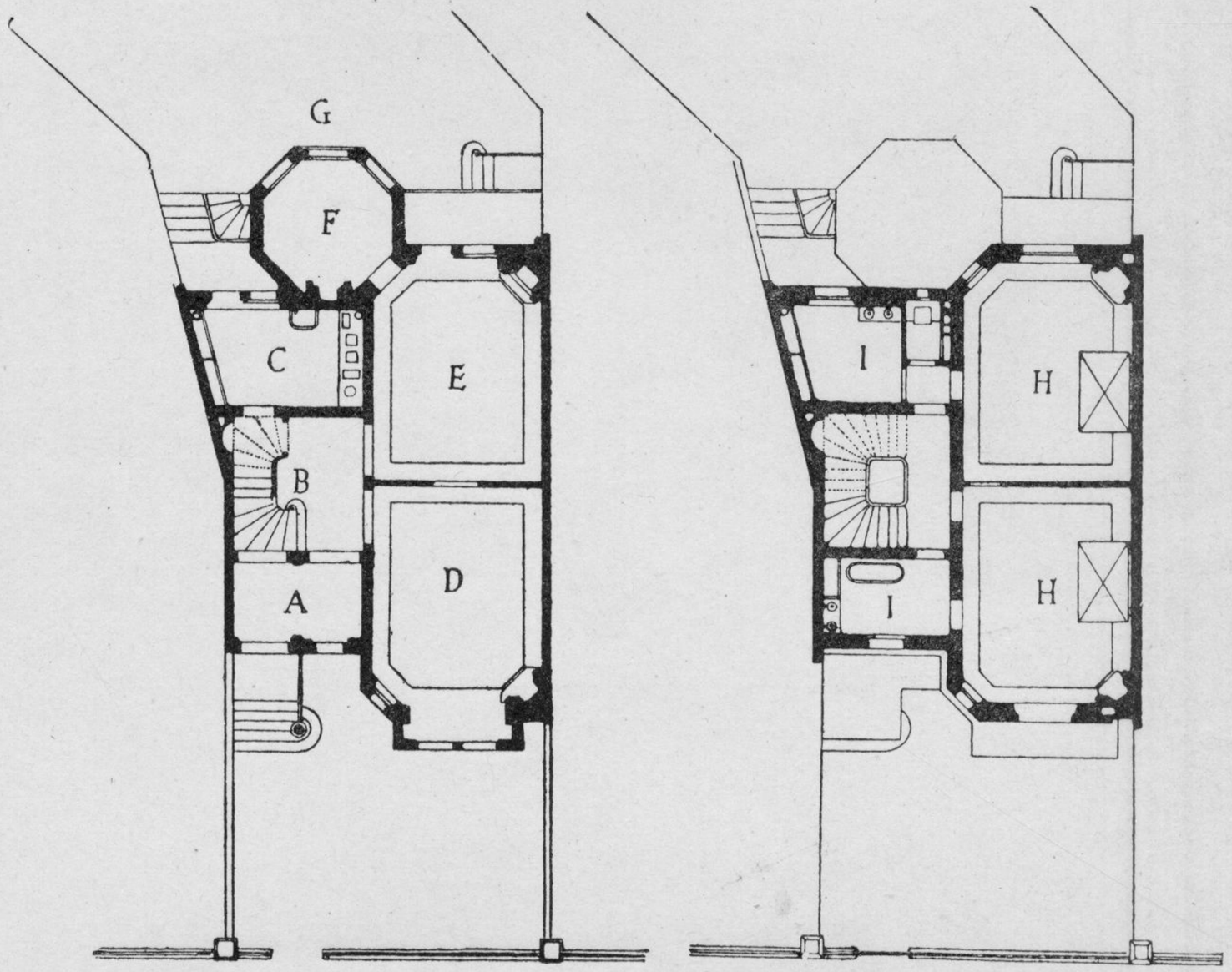


Fig. 3. — Casa in Auteil (arch. Chanut).

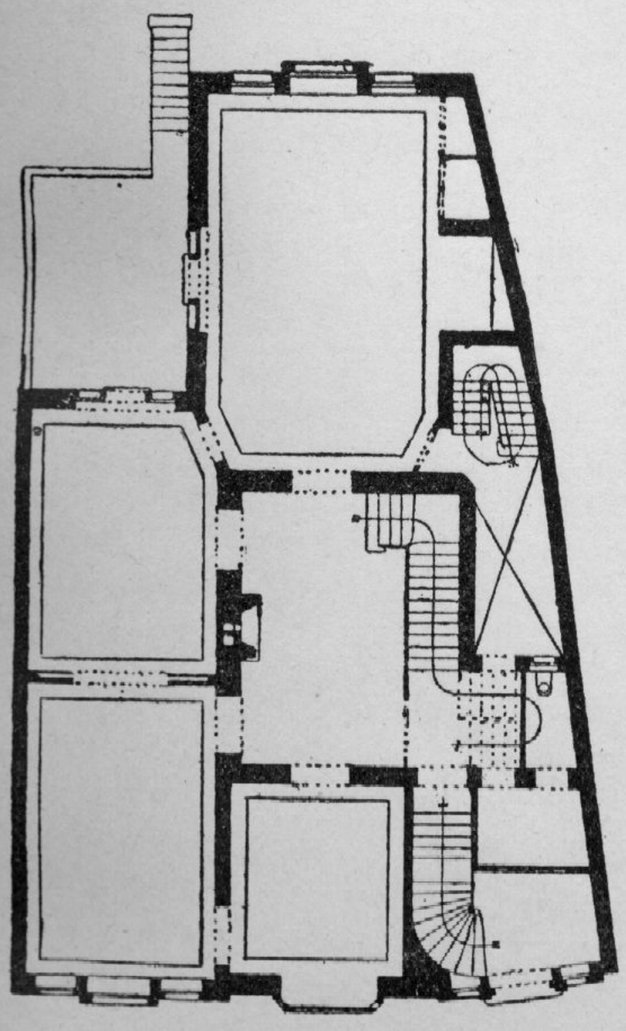


Fig. 4.
Casa in Düsseldorf (arch. Kayser e V. Grossheim).

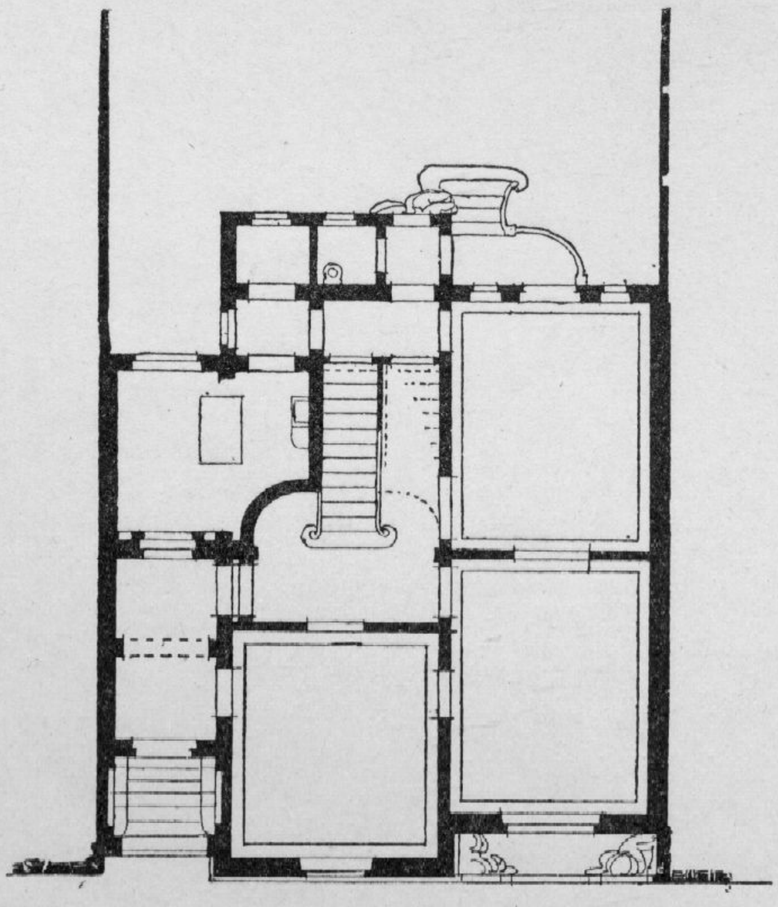


Fig. 5. P. 1.°
Progetto di casa in Roma (arch. Giovannoni).

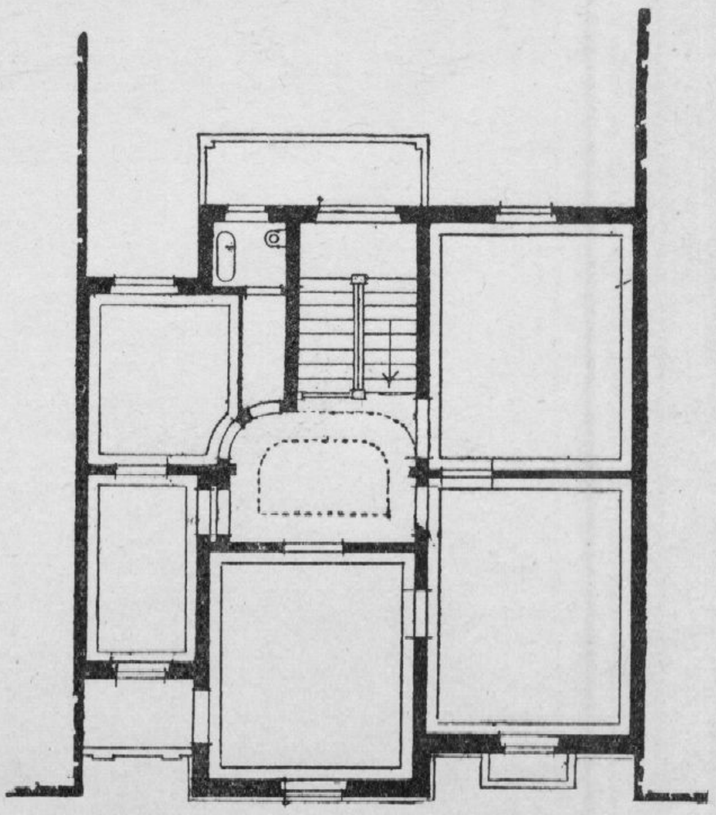


Fig. 5.' P. 1.°

Proprietà artistica.

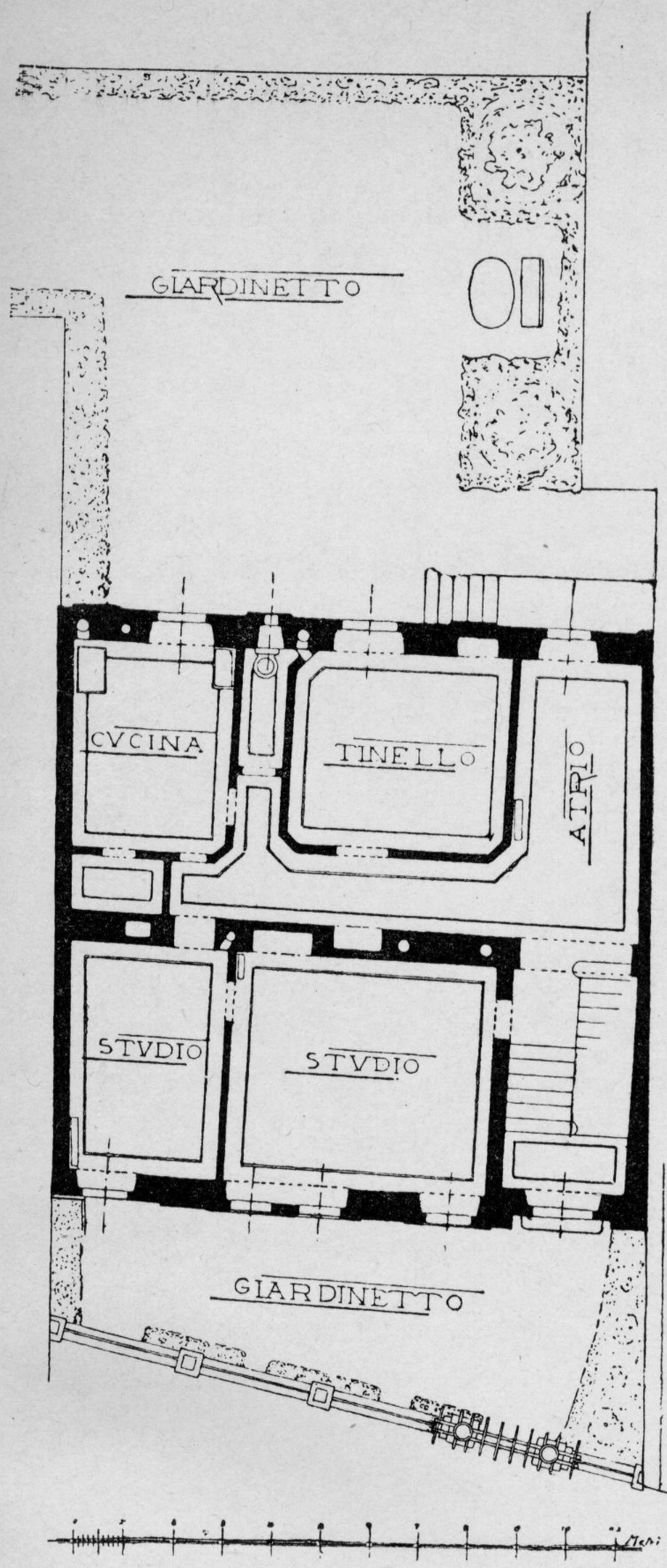


Fig. 1. — Pianta del P. T.

Casa in Trieste dell'arch. Budinich.

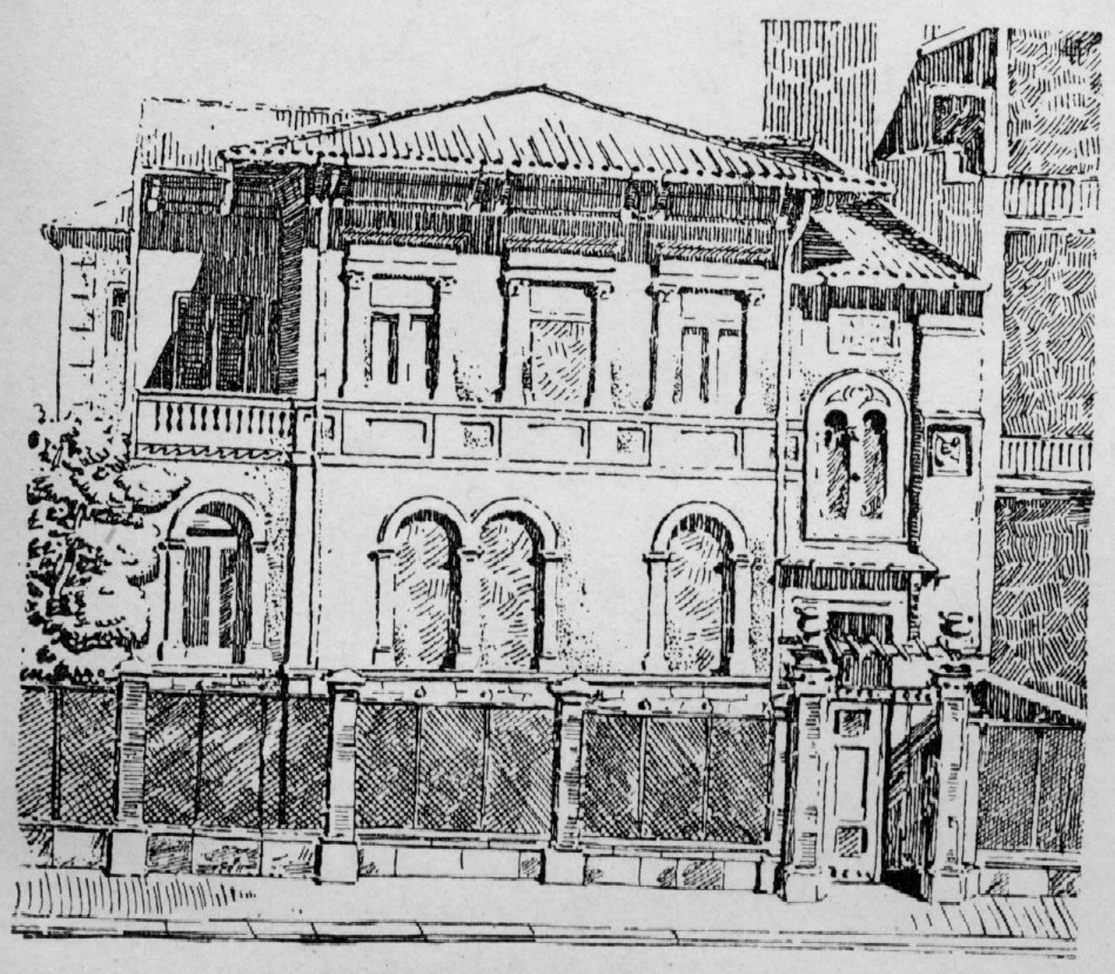


Fig. 1'. — Vista.

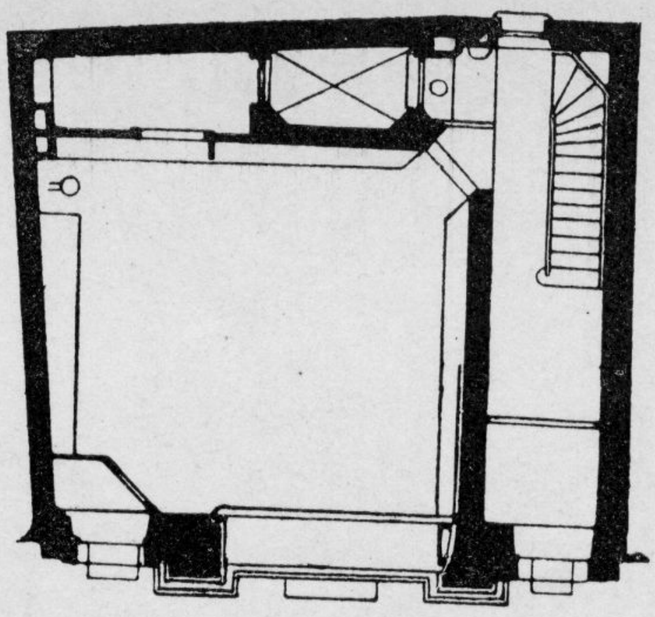


Fig. 2. — Pianta del P. T.

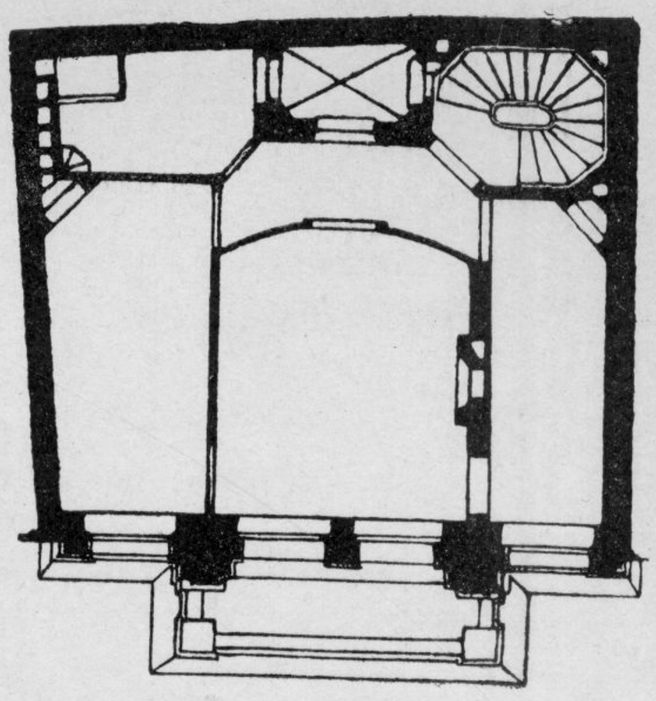


Fig. 2'. — Pianta del 1.° P.

Casetta in Bruxelles (arch. Bayaert).

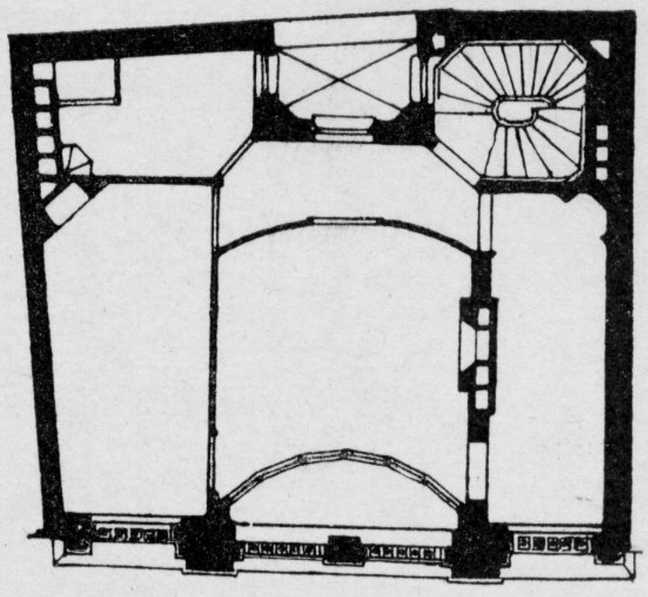


Fig. 2''. — Pianta del 2.° piano.

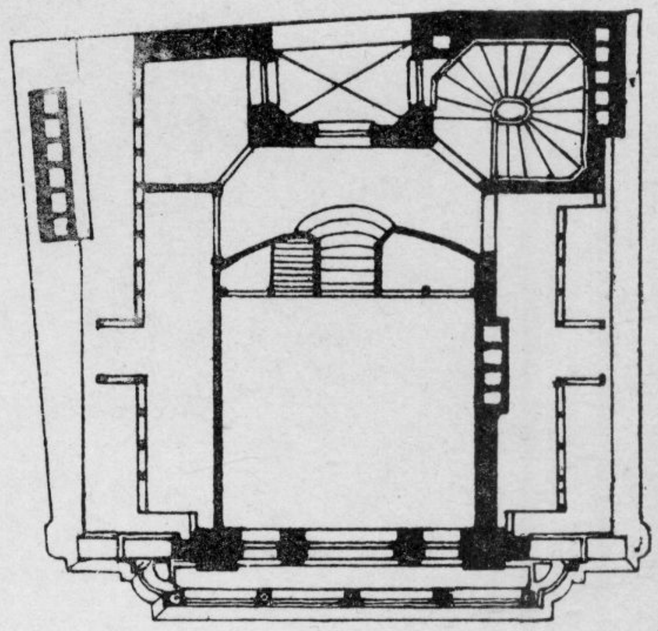


Fig. 2'''. — Pianta dell'ultimo piano.

Fig. 3. — Casa in Buenos Ayres (arch. Brog').
Vista.

Proprietà artistica.

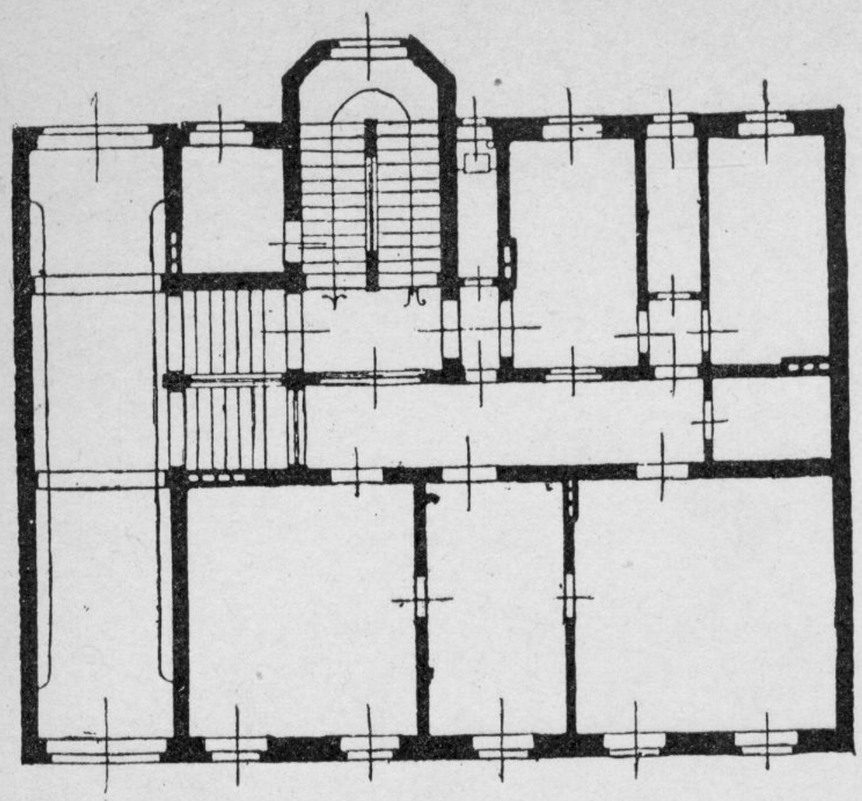


Fig. 1.

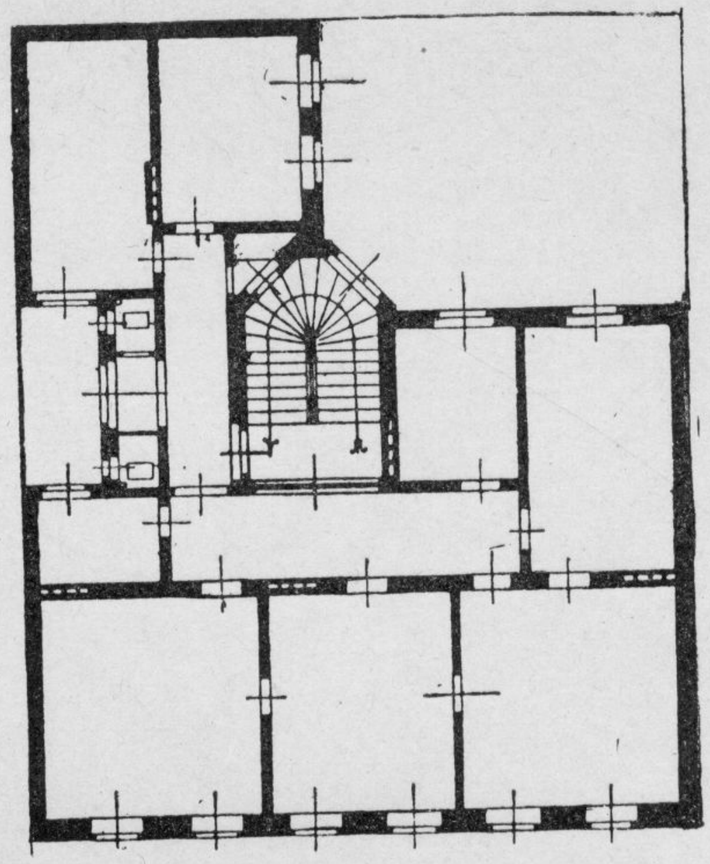


Fig. 2.

Tipi di case tedesche ad un appartamento per piano.

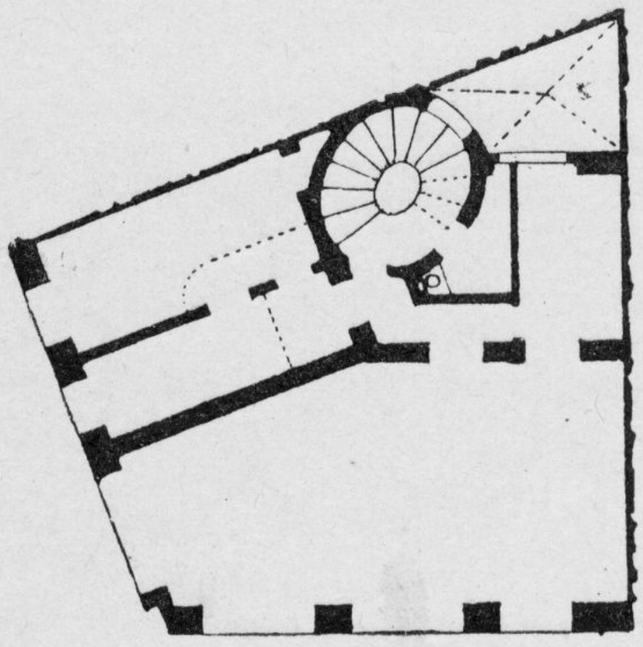


Fig. 3. — Pianta del pianterreno.

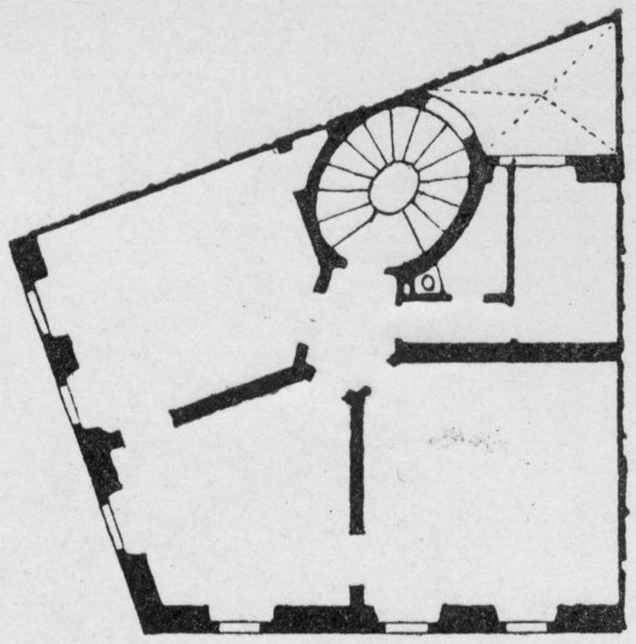


Fig. 3'. — Pianta del 1.° piano.

Piccola casa in Parigi a Via Rumfort.

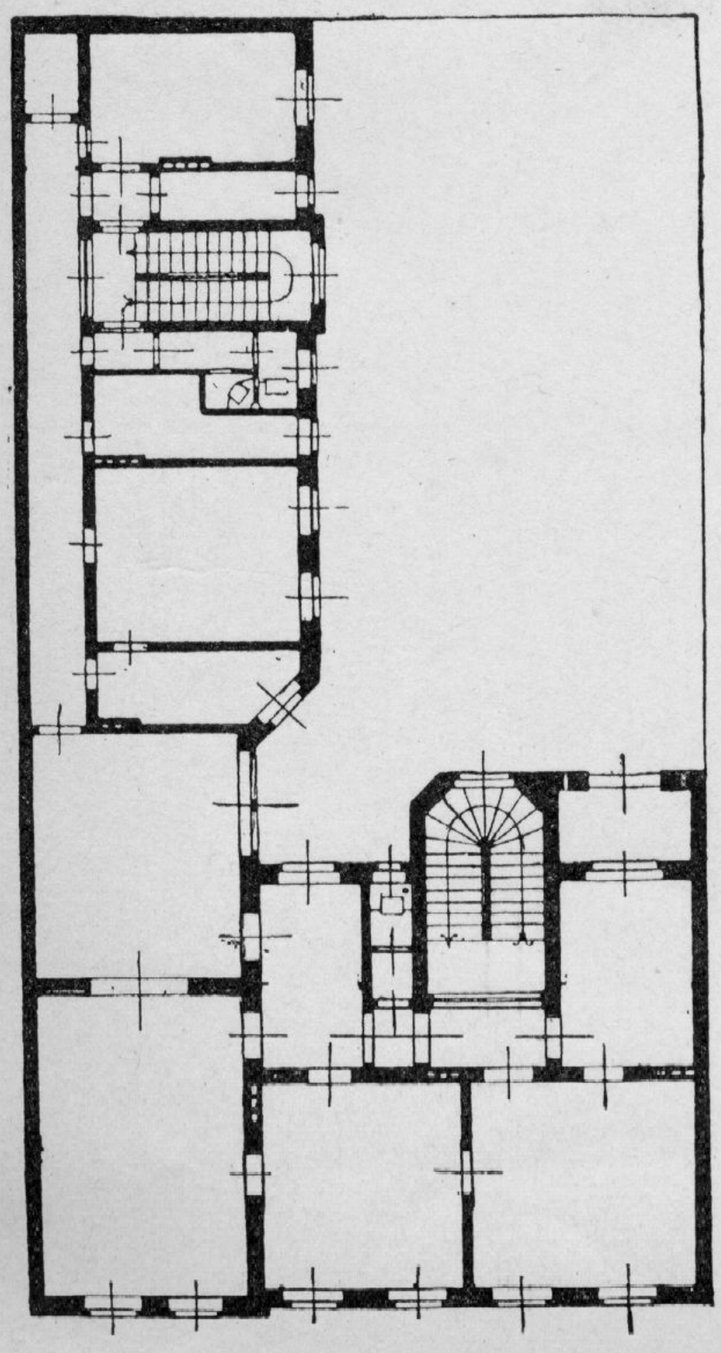


Fig. 4.

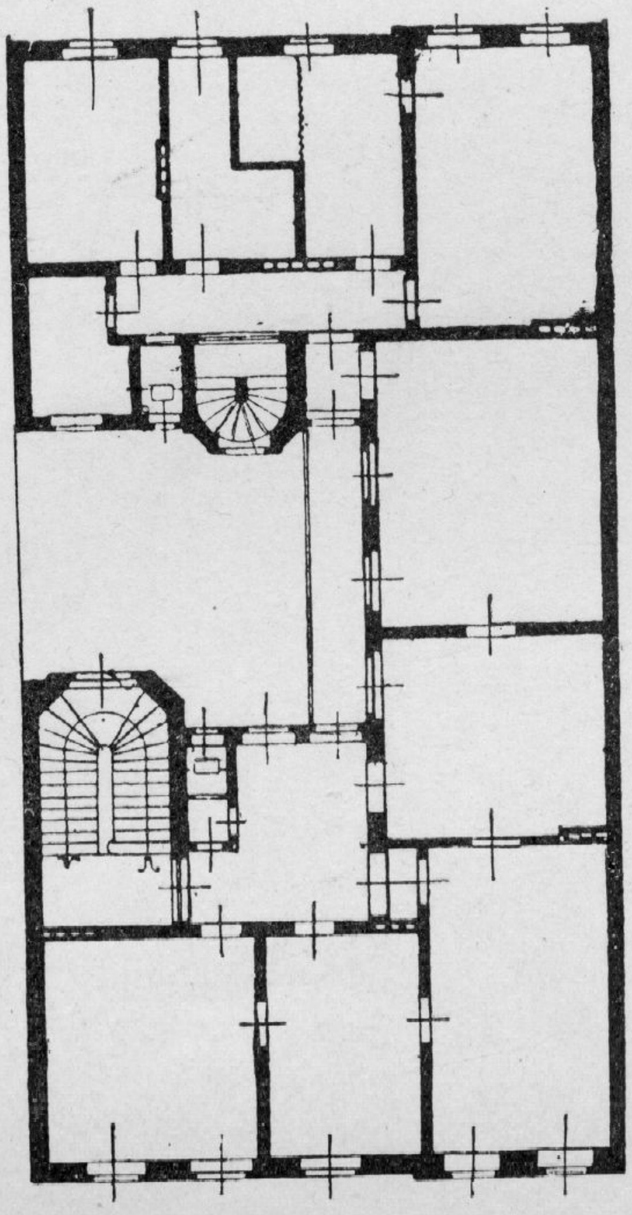


Fig. 5.

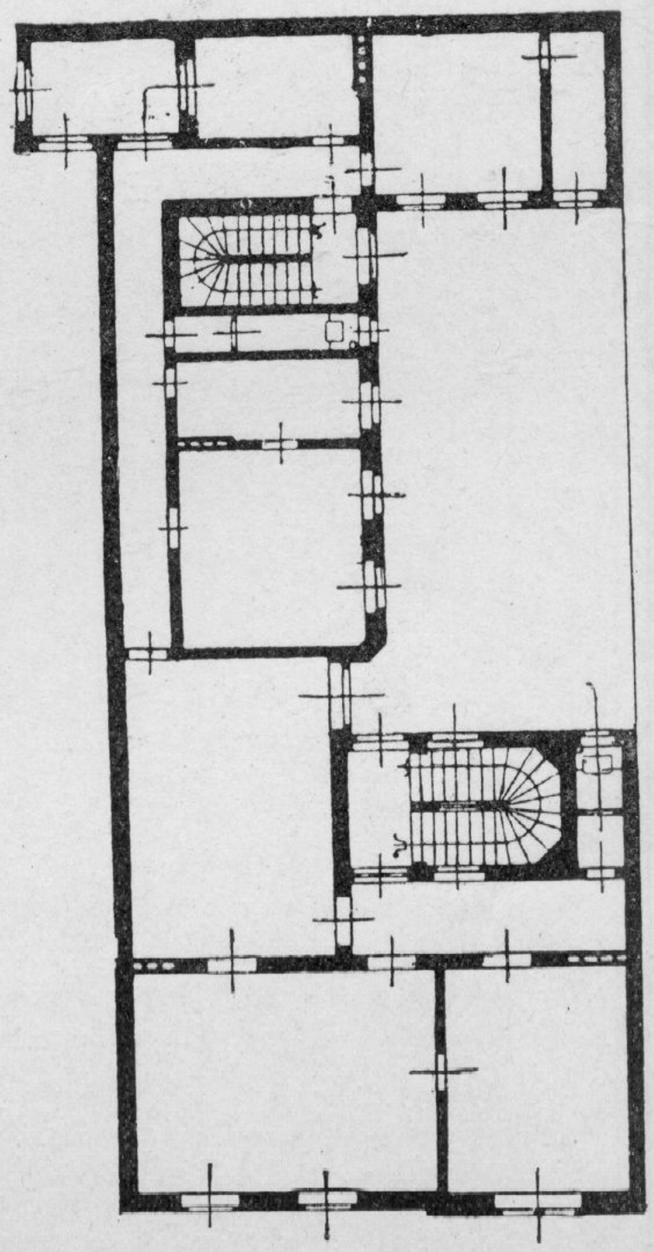


Fig. 6.

Tipi di case tedesche ad un appartamento per piano.

Proprietà artistica.

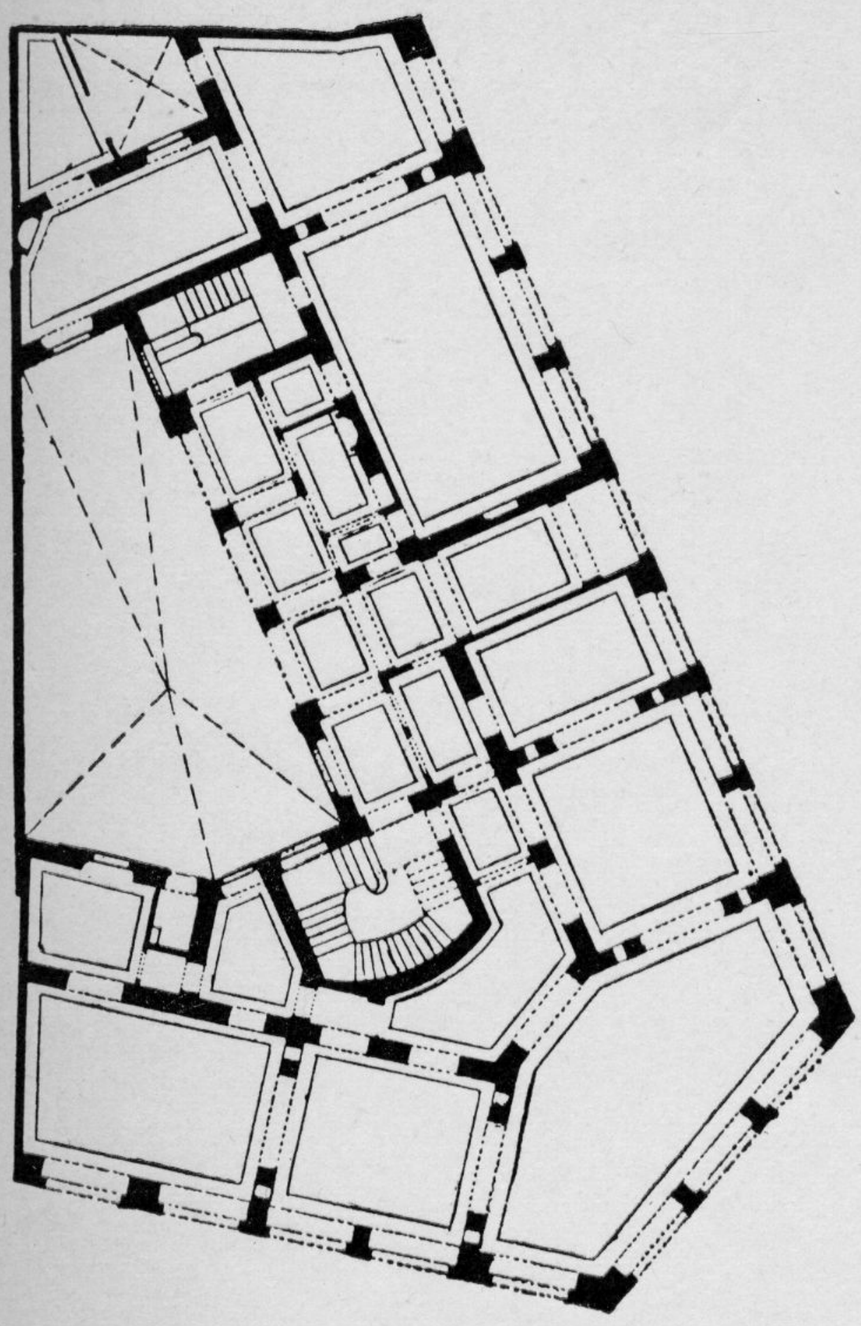


Fig. 1. — Pianta del piano terreno.

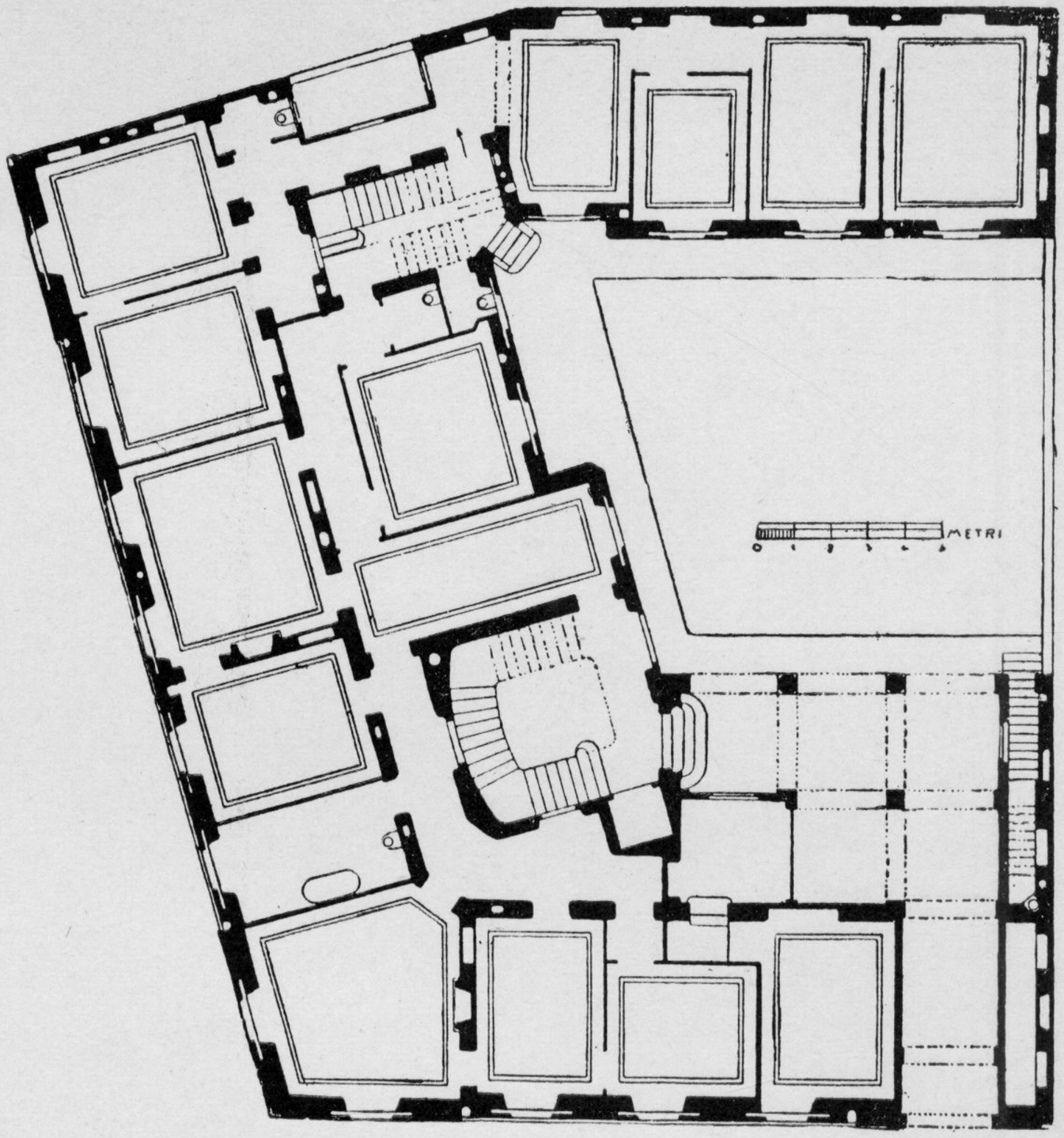


Fig. 2. — Pianta del piano terreno.

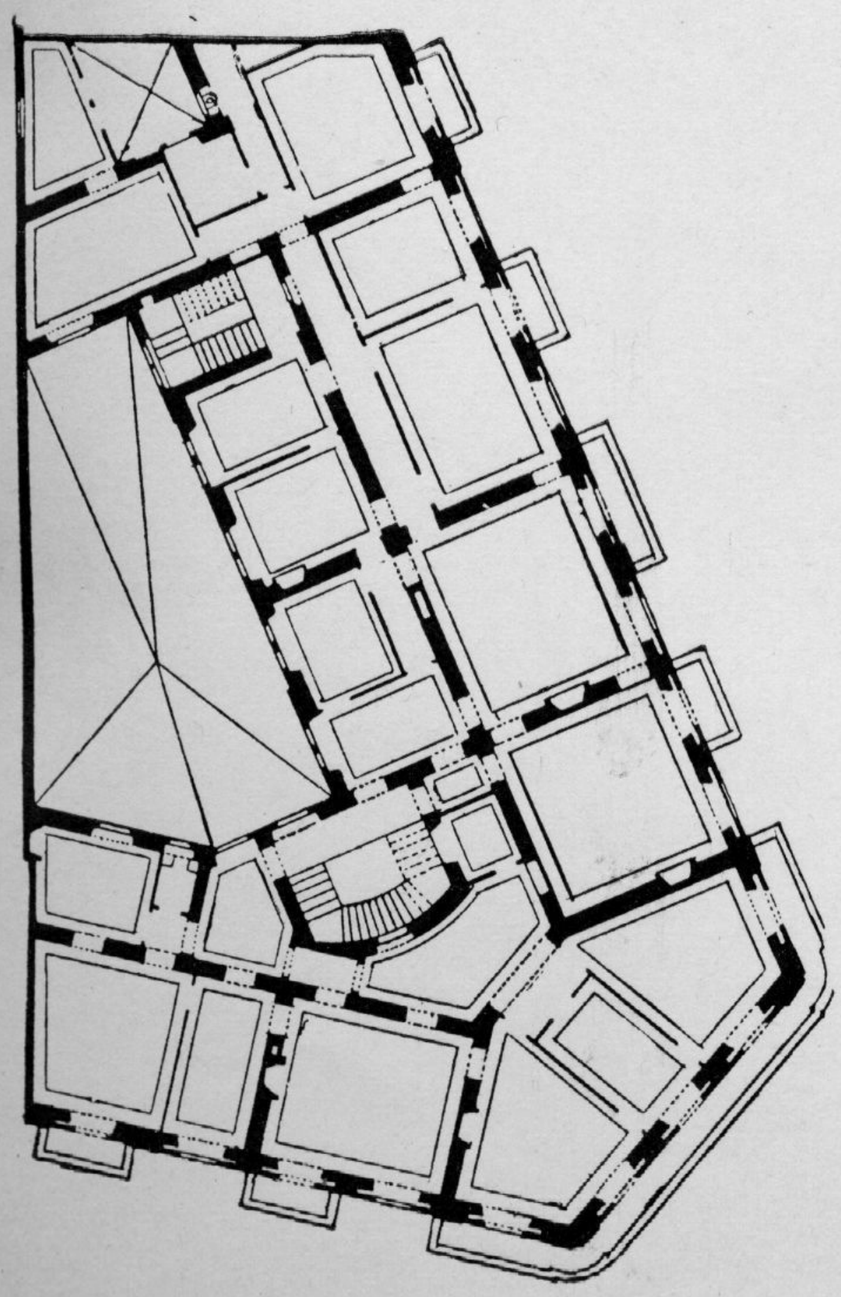


Fig. 1'. — Pianta del 1° piano.
Casa in Milano (arch. Locati) a 2 appart. per piano.

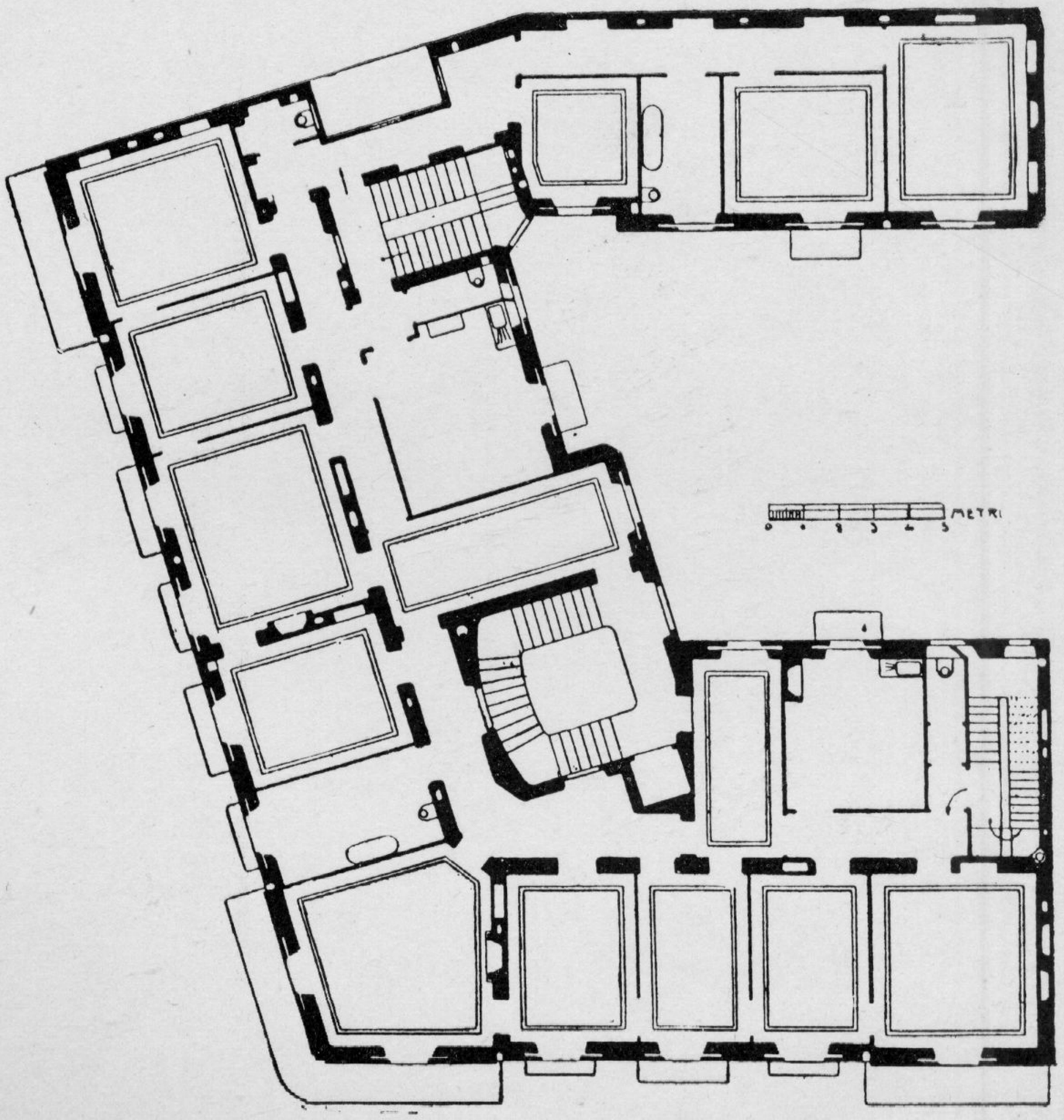


Fig. 2'. — Pianta del 1.° piano.
Casa in Milano (arch. Menni) a due appartamenti per piano.

Proprietà artistica.

Tavola XXXIX.

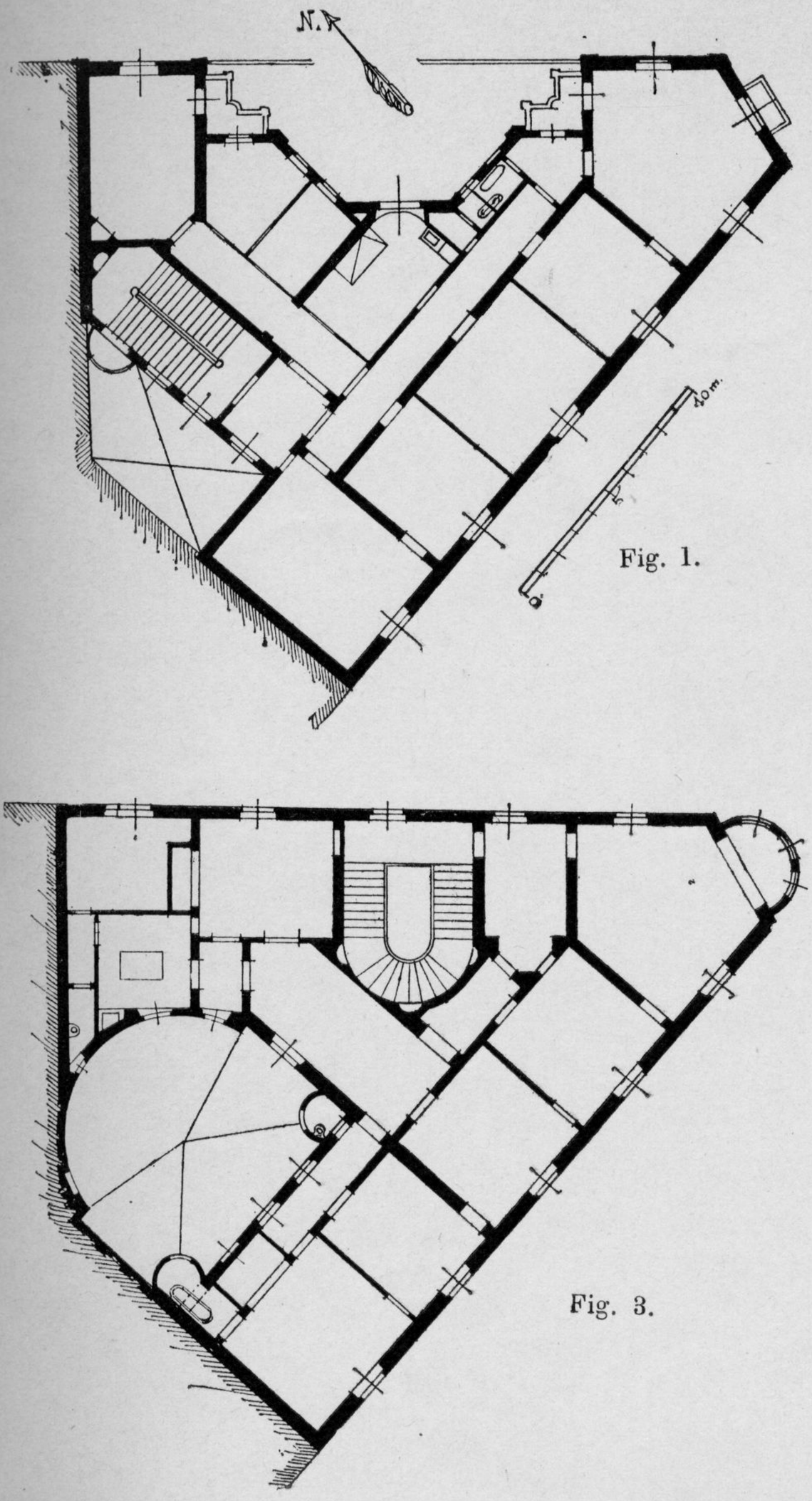


Fig. 1.

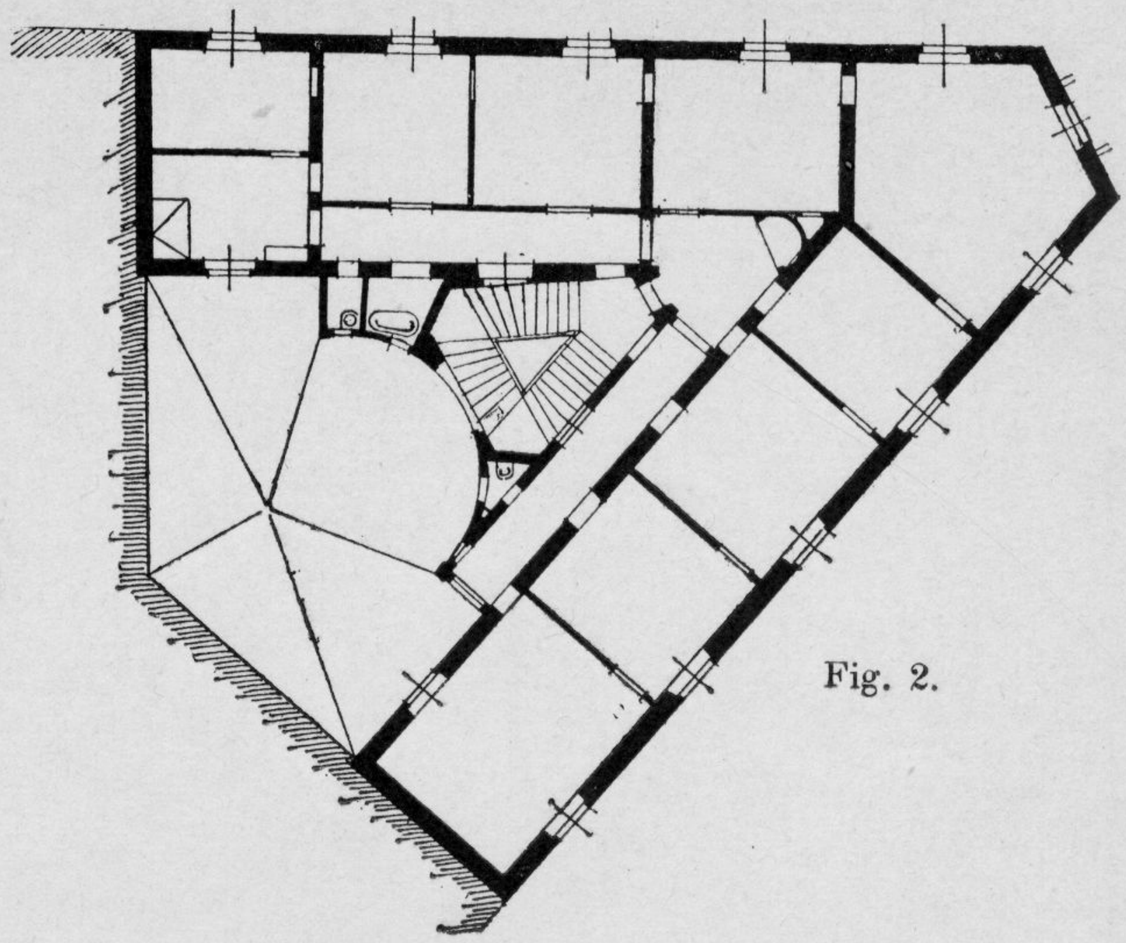


Fig. 2.

Fig. 3.

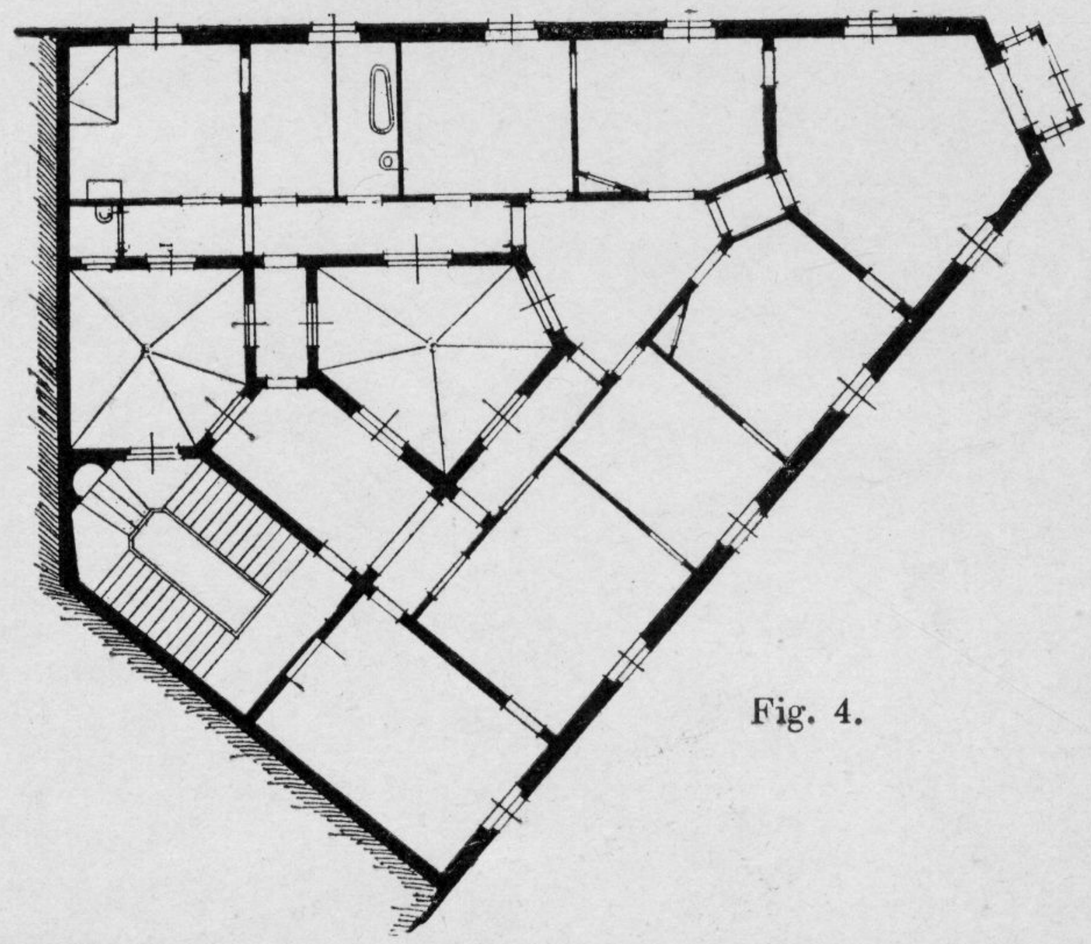


Fig. 4.

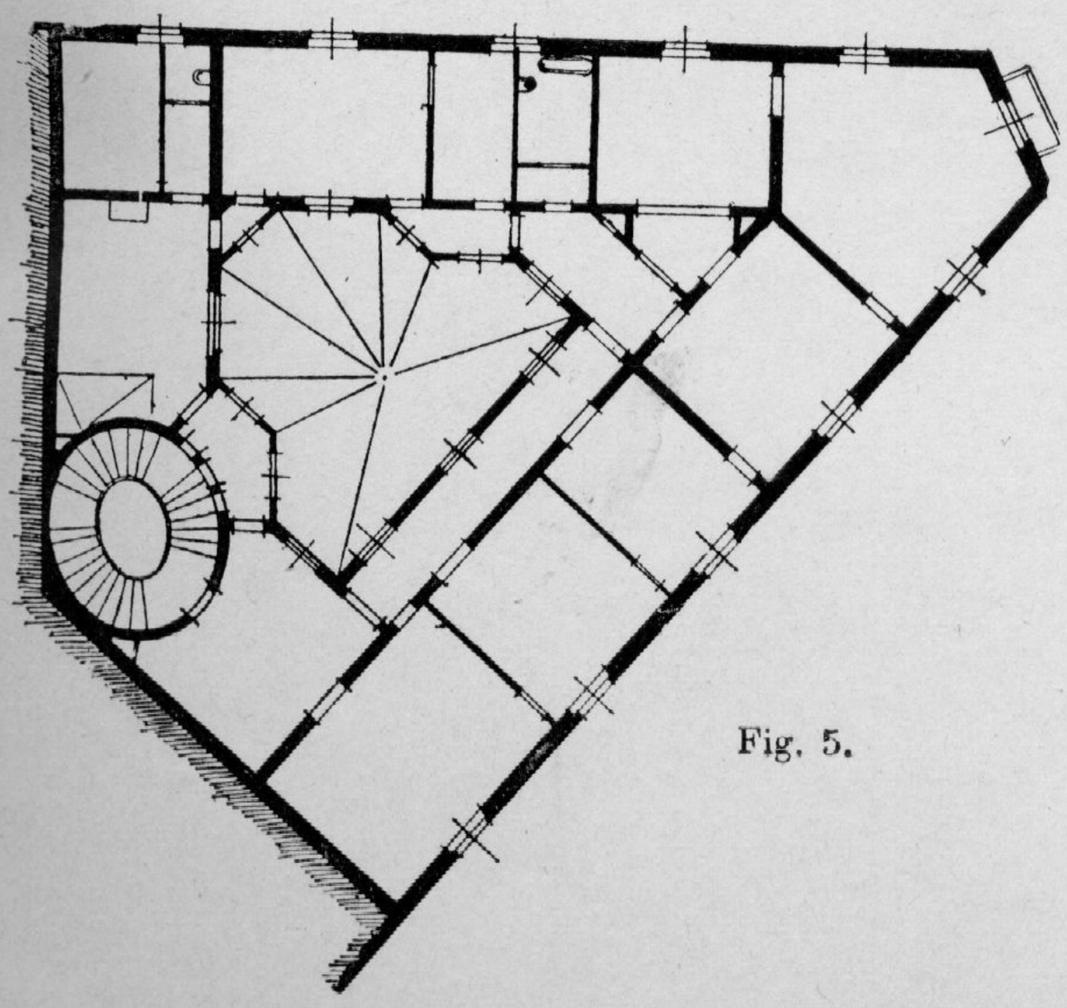


Fig. 5.

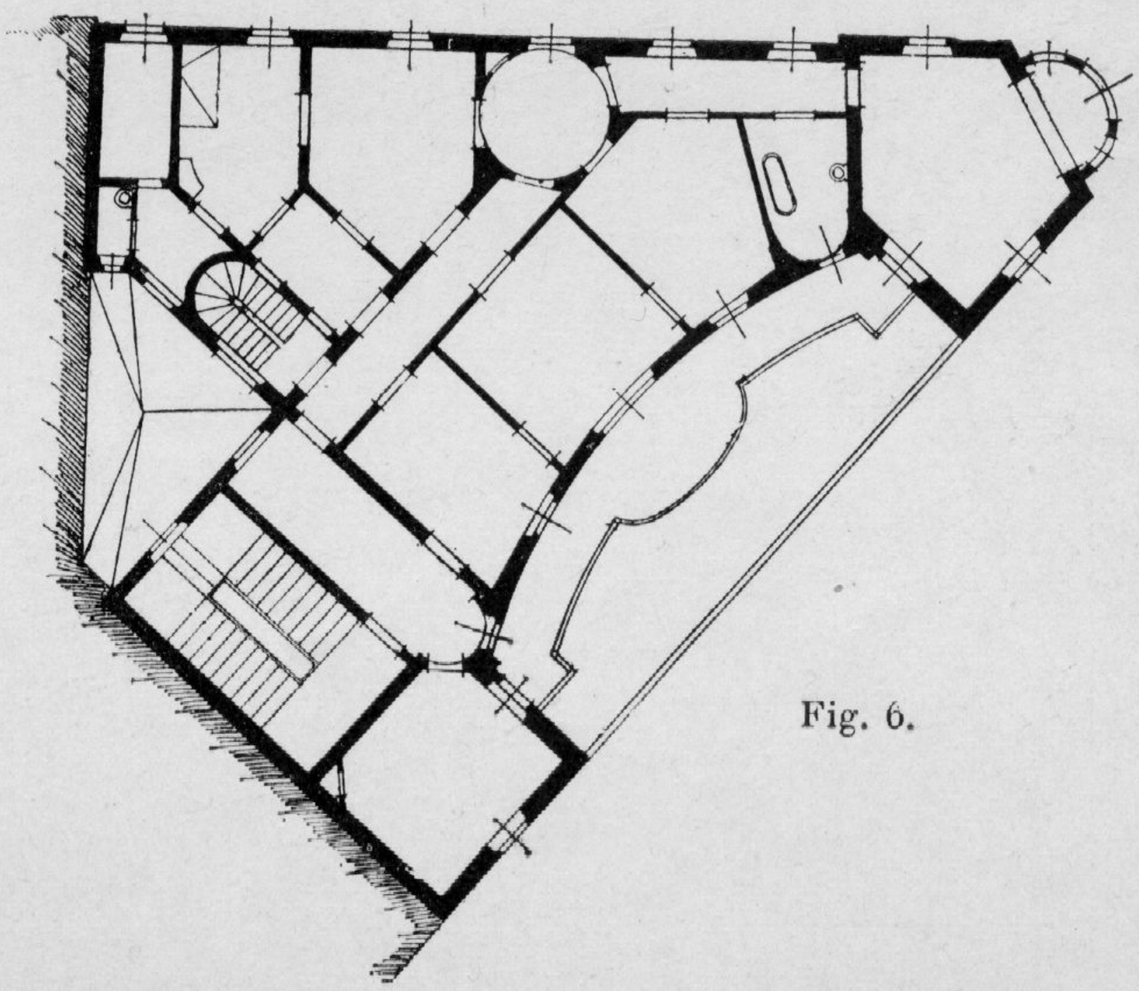


Fig. 6.

Studi vari per la planimetria di una casa di angolo

Proprietà artistica.

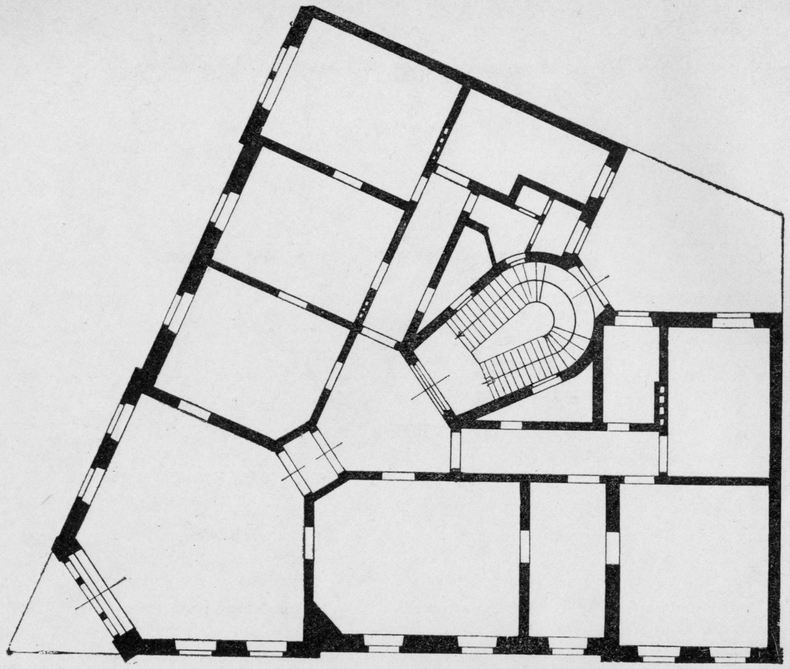


Fig 1. — Casa in Berlino.

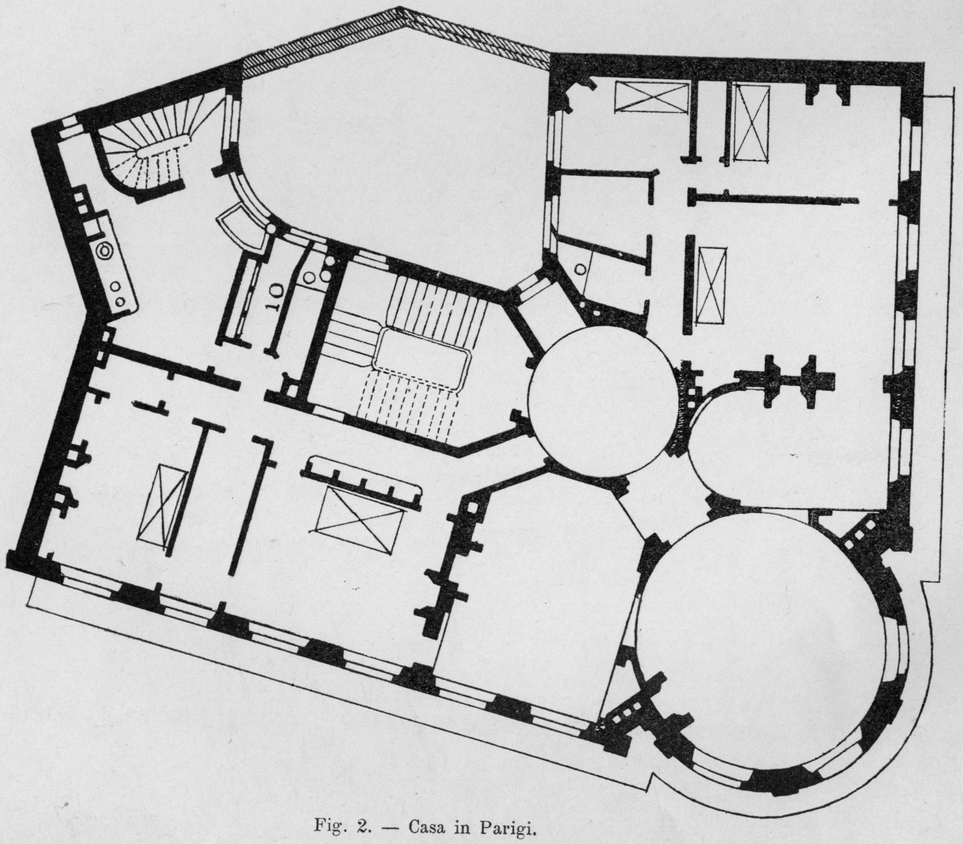


Fig. 2. — Casa in Parigi.

Case in angolo
(Scala 1 : 200).

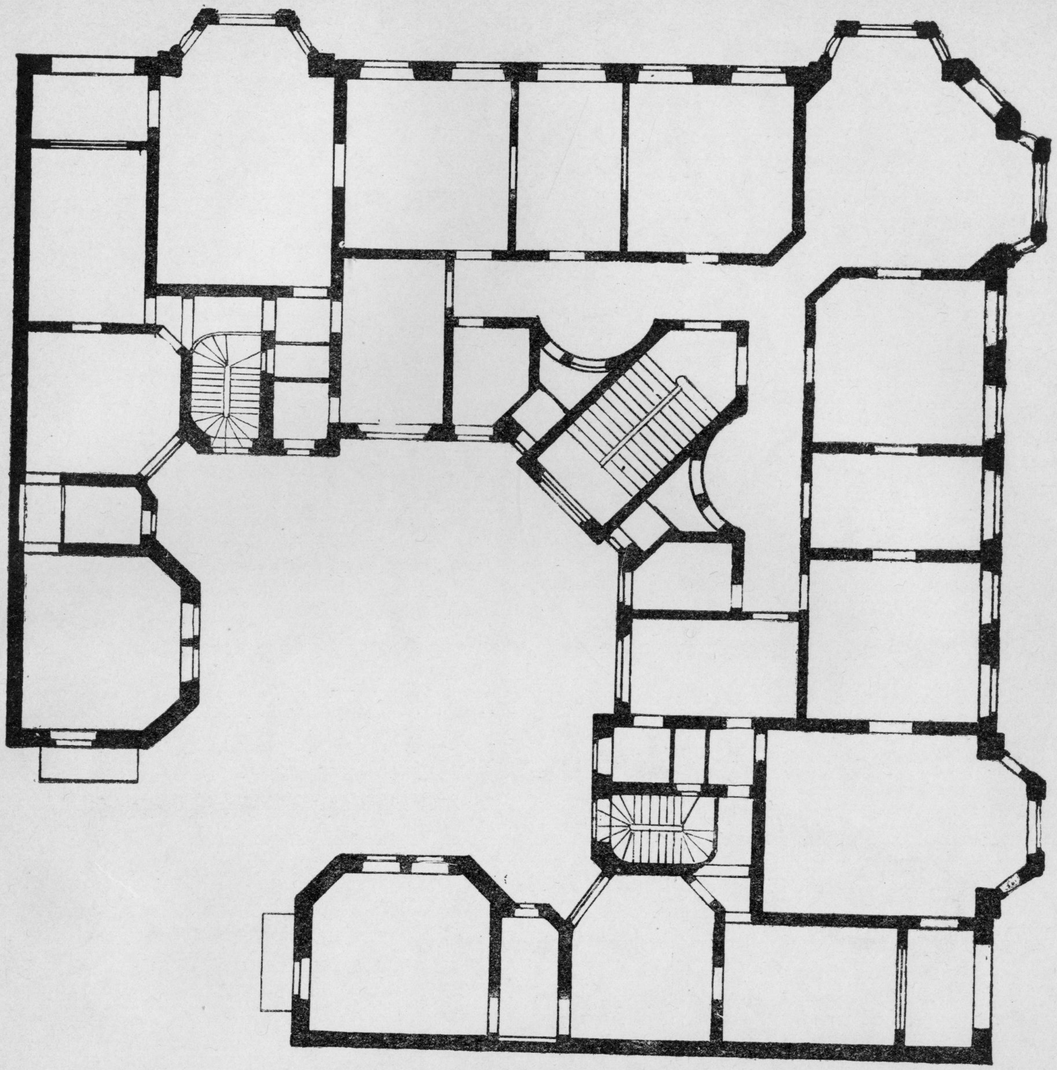


Fig. 3. — Casa in Magdeburgo (arch. Grote).

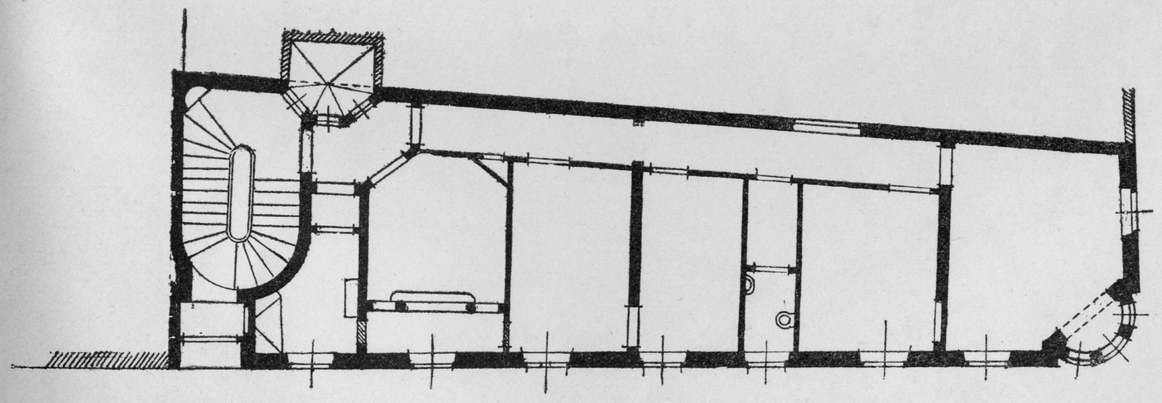


Fig. 4. — Casa in Roma (arch. Giovannoni).

Proprietà artistica.

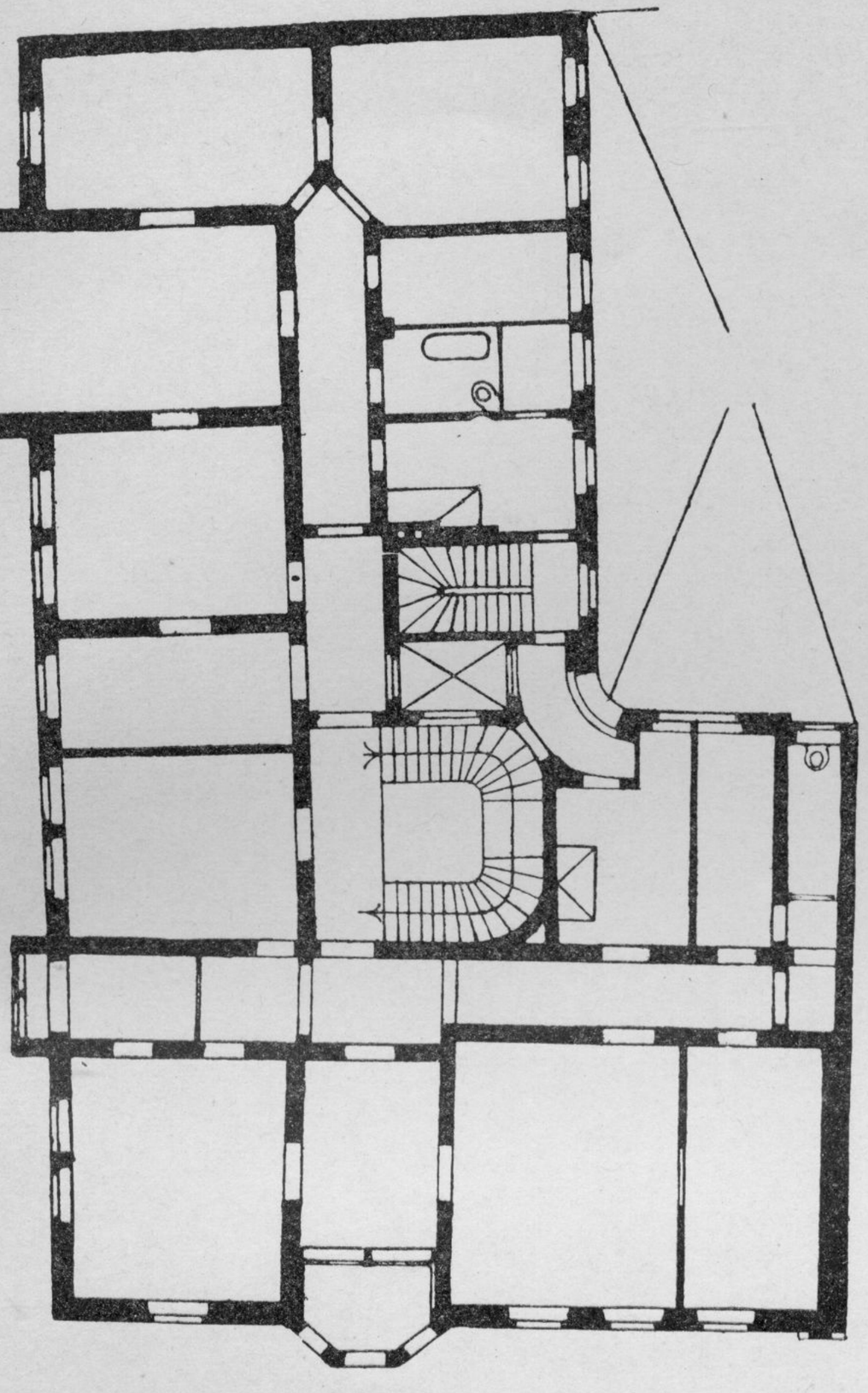


Fig. 1. — Casa d'angolo in Berlino
(2 appartamenti per piano).

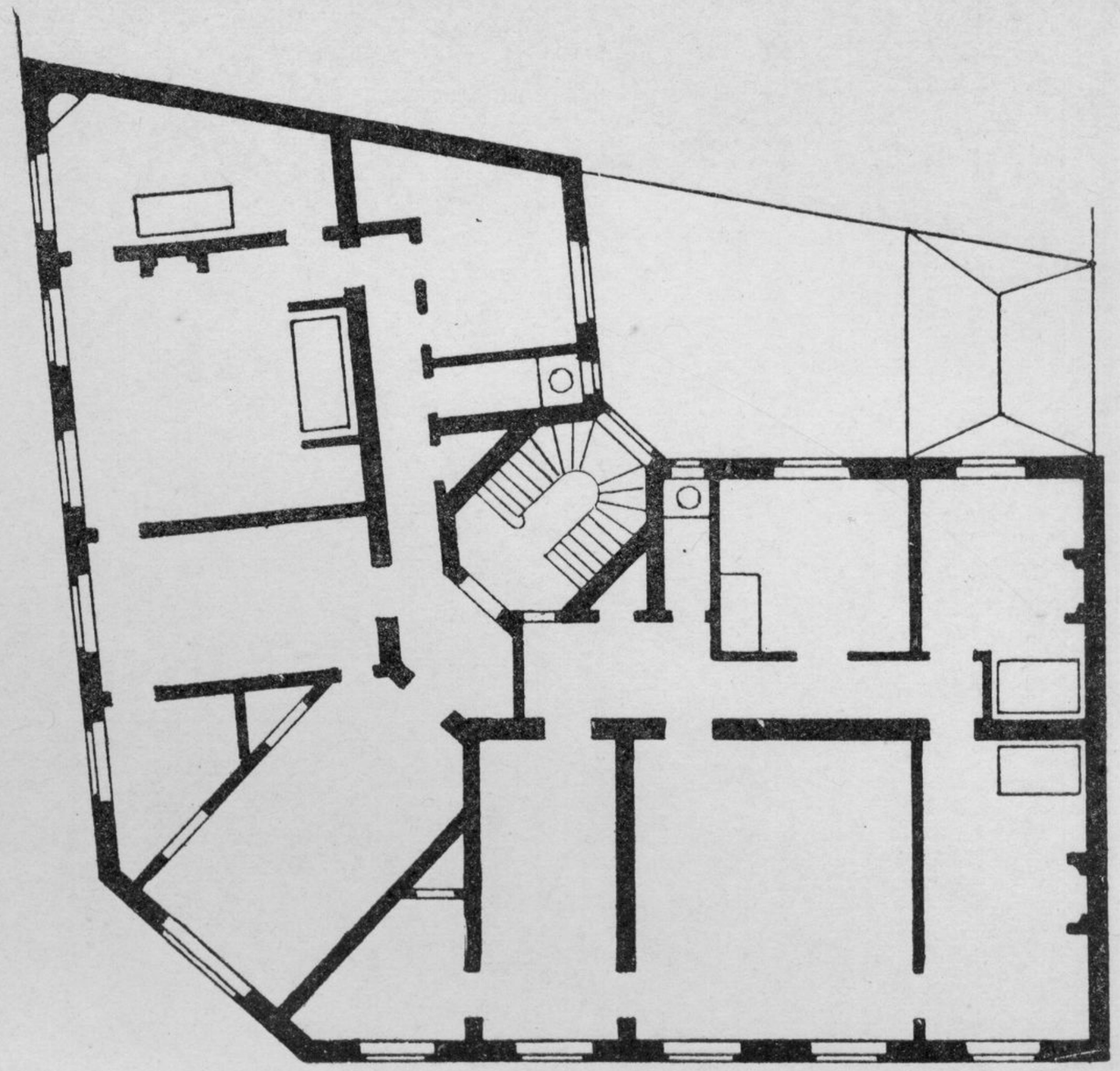


Fig. 2. — Casa in Trieste
(2 appartamenti per piano).

Fig. 3. — Casa d'angolo in Parigi
(2 appartamenti per piano).

Fig. 4. — Progetto di pianta (dell'A.) per la Cooperat.
Case e Alloggi in Roma (3 app. p. piano).

Proprietà artistica.

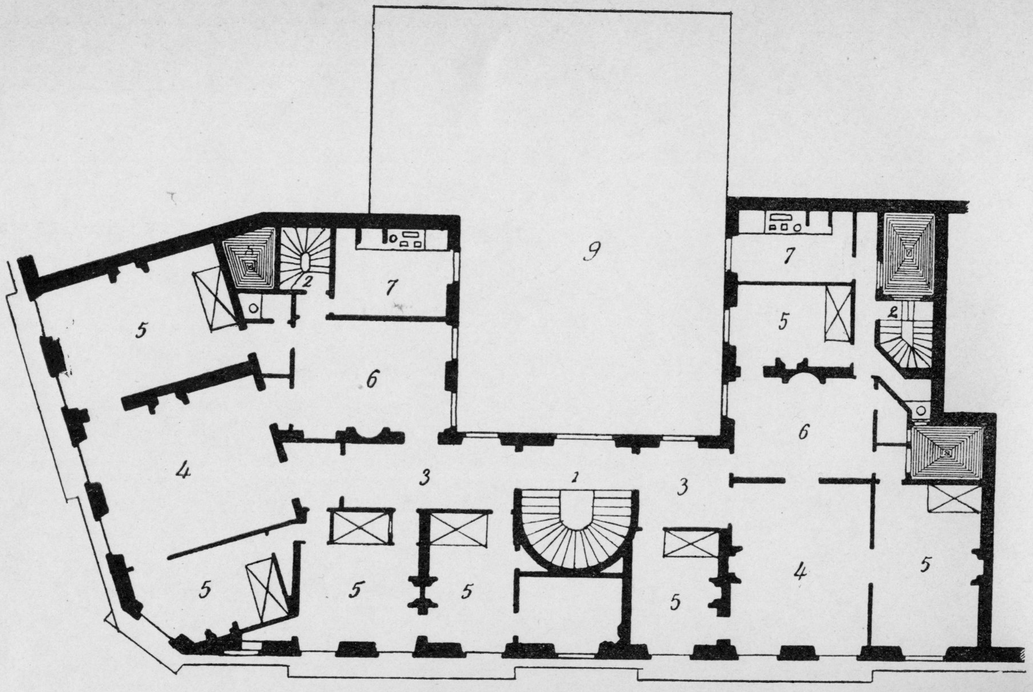


Fig. 1. — Casa in Parigi.

Scala 1 : 200

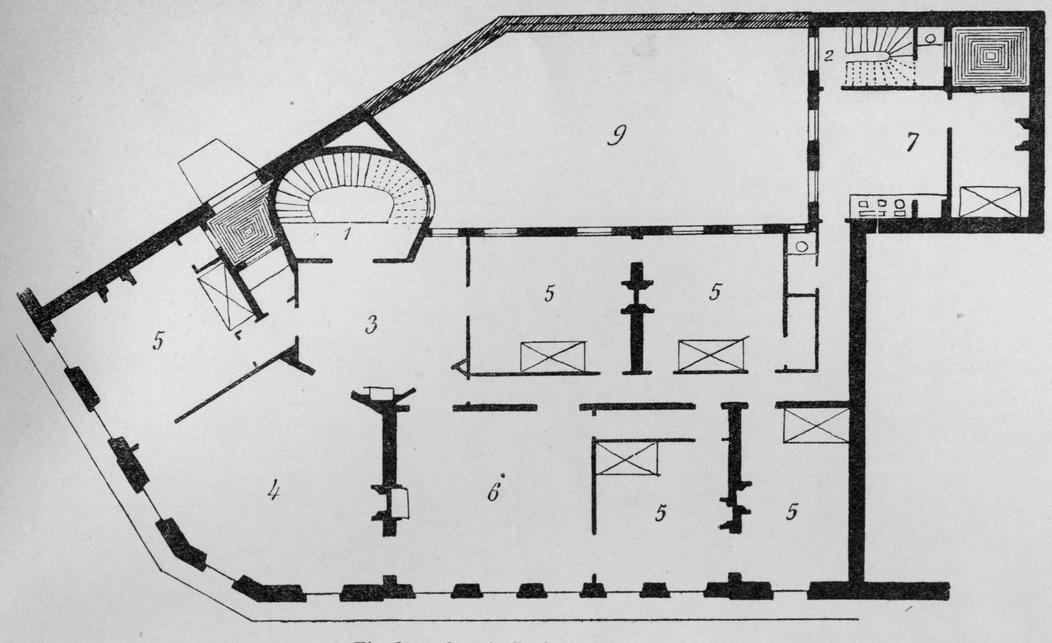


Fig. 2. — Casa in Parigi.

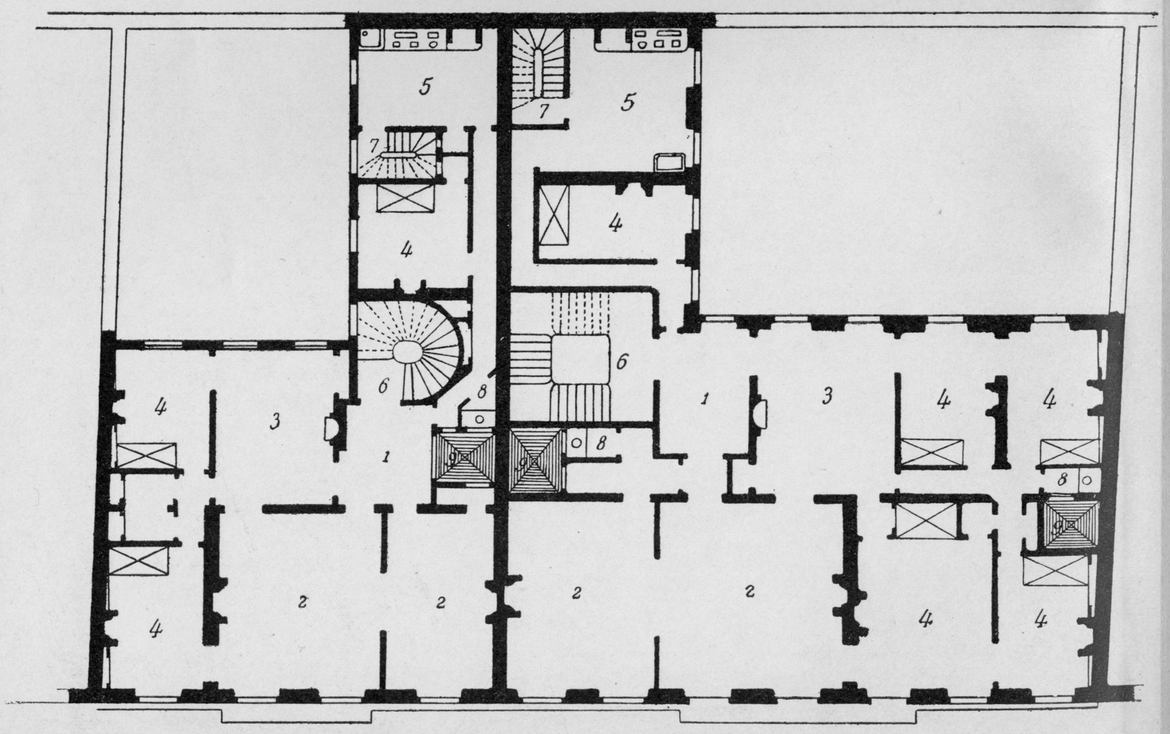


Fig. 3. — Casa in Parigi.

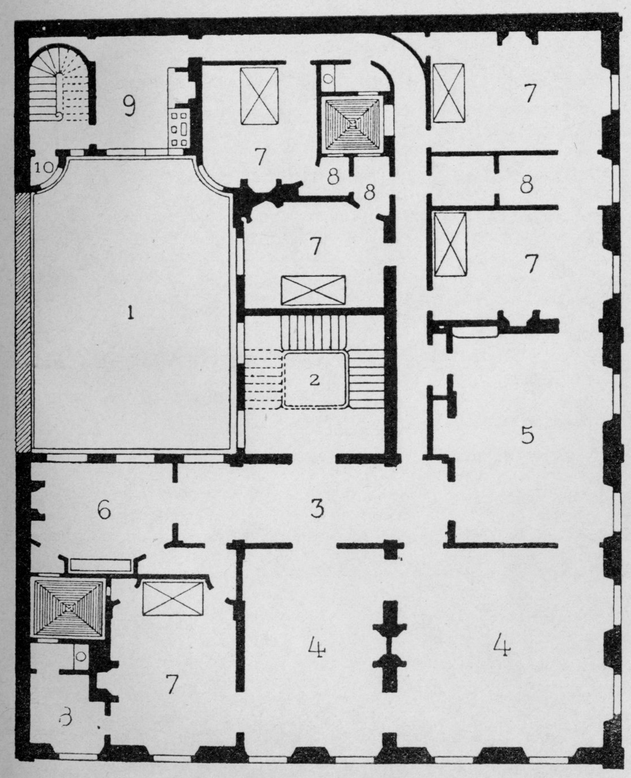


Fig. 4. — Casa in Parigi.

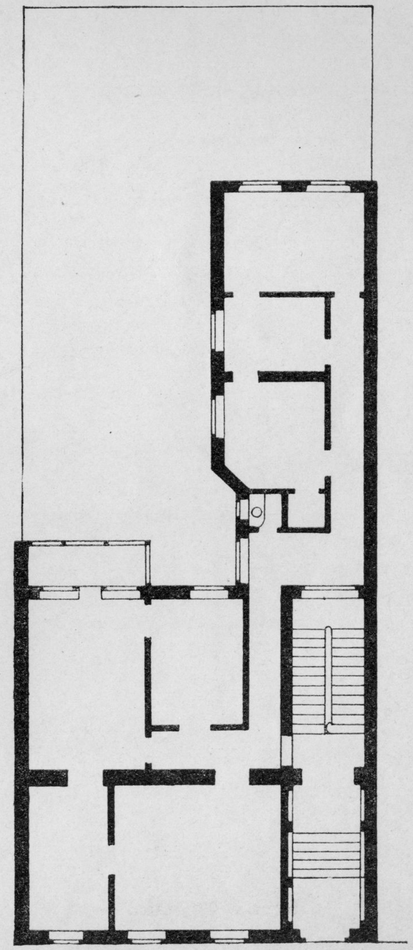


Fig. 5. — Casa in Berlino.

Proprietà artistica.

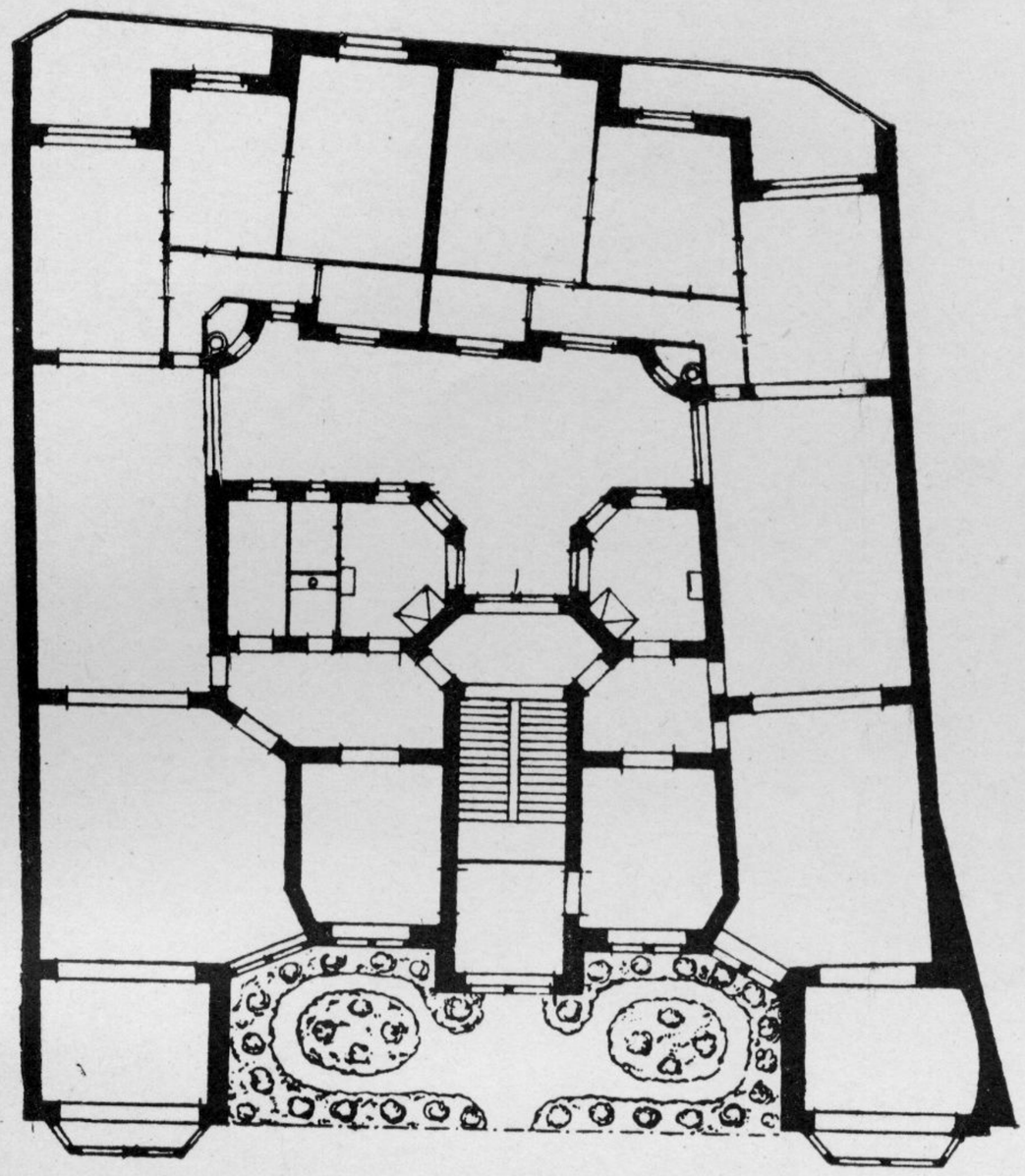


Fig. 1.
Casa a due appartamenti per piano in Kônigsberg
(arch. Lauffer)

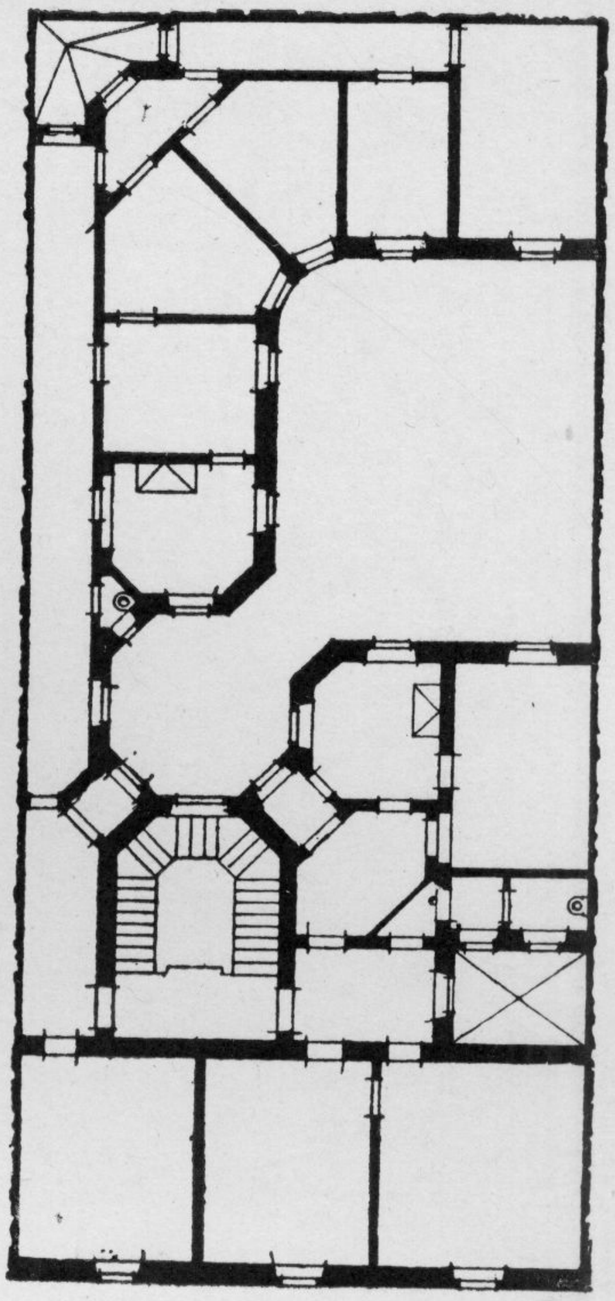
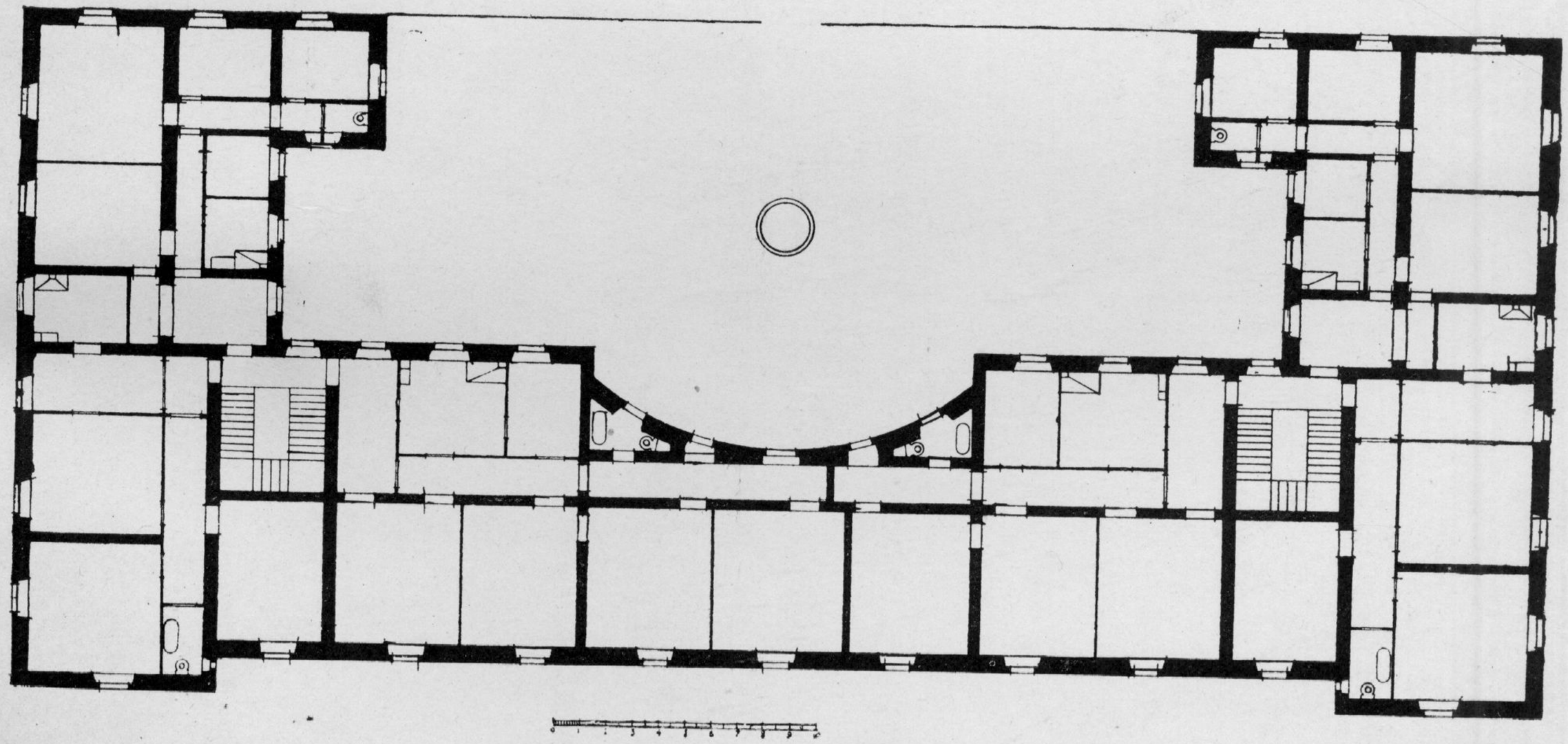


Fig. 2.
Casa a due appartamenti per piano
(Prog. Giovannoni)



Fig, 3. — Casa a sei appartamenti per piano
(Prog. Giovannoni)

Proprietà artistica.

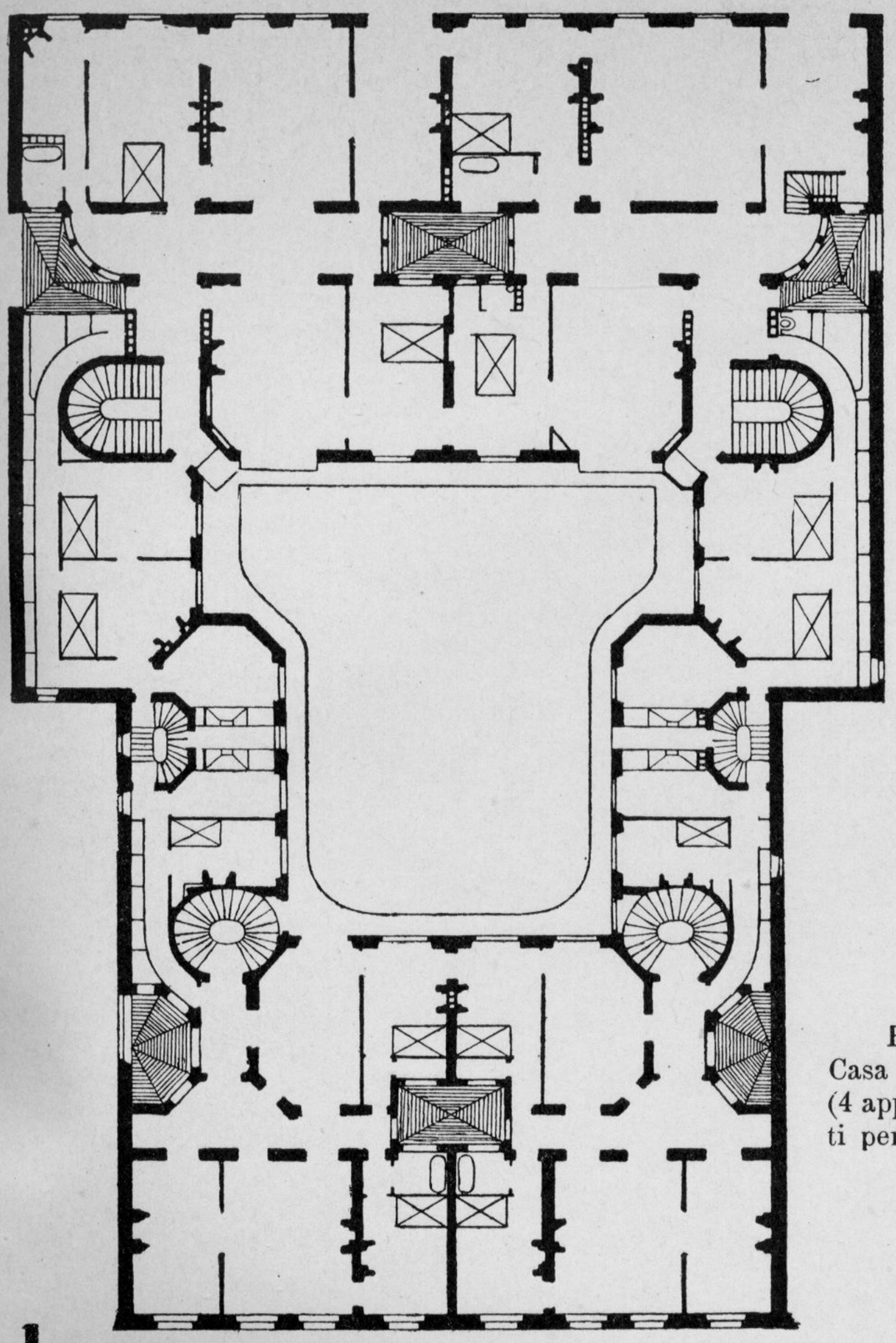


Fig. 1
Casa in Parigi
(4 appartamenti per piano.

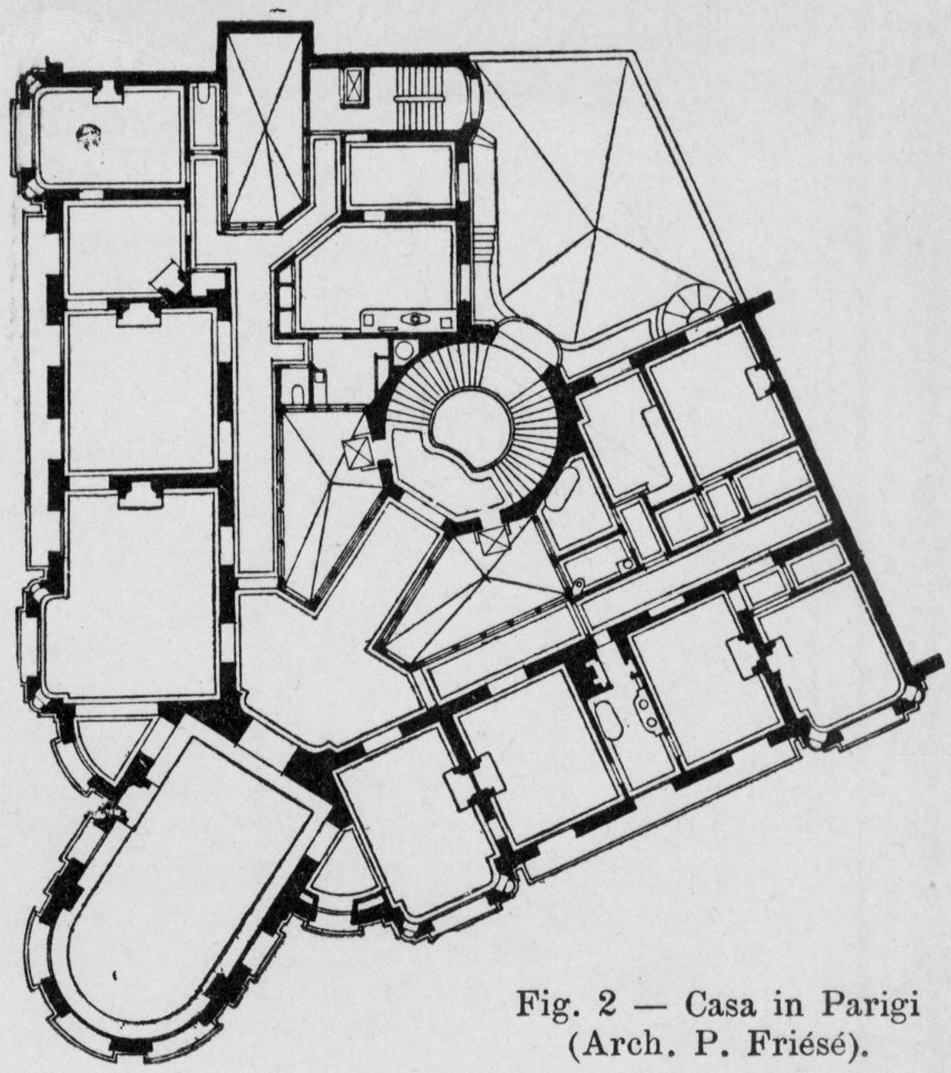
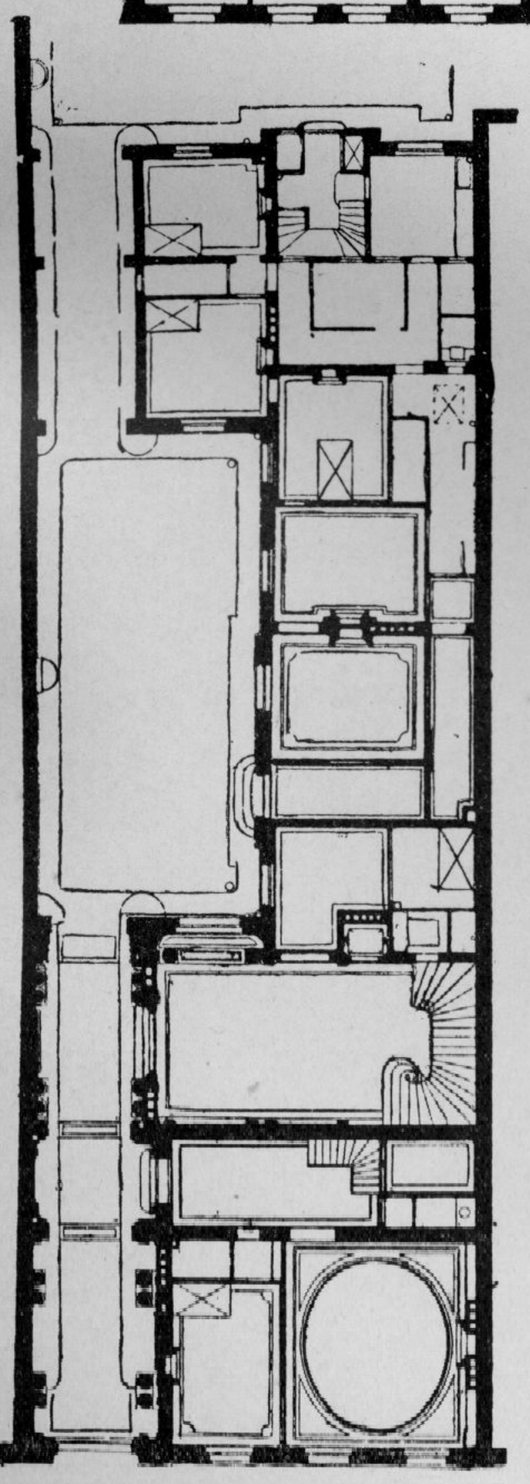


Fig. 2 — Casa in Parigi
(Arch. P. Friésé).



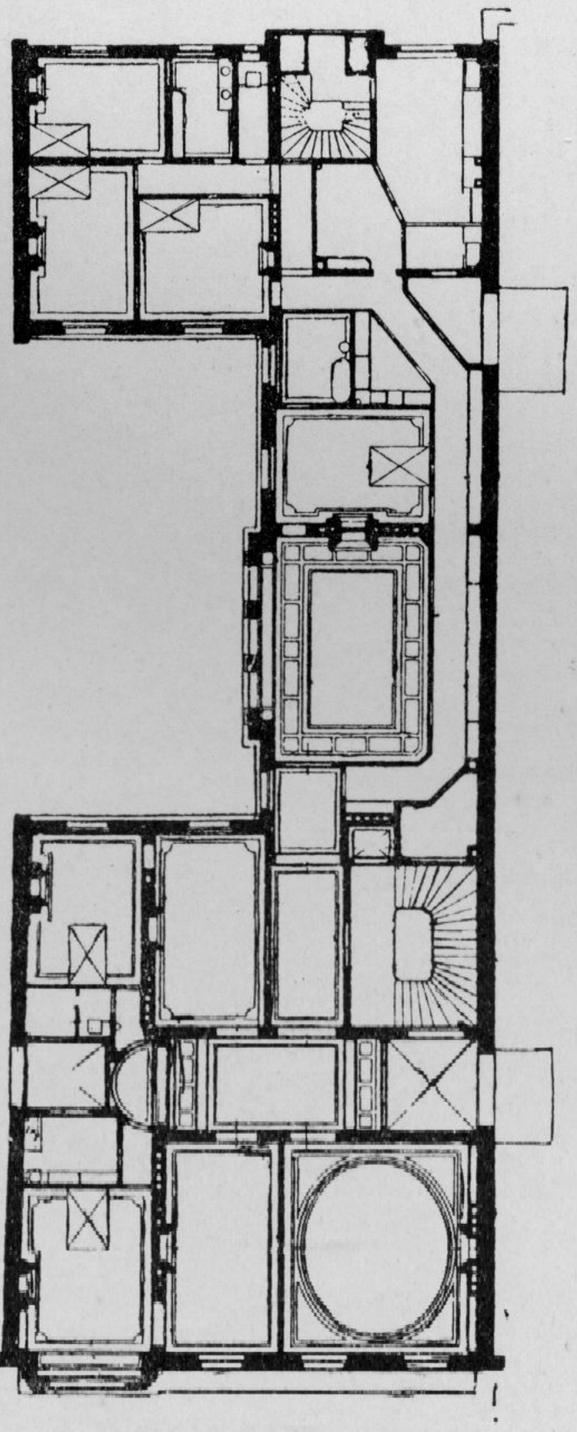


Fig. 3, 3.' — Casa in Parigi (Arch. Weilwein).

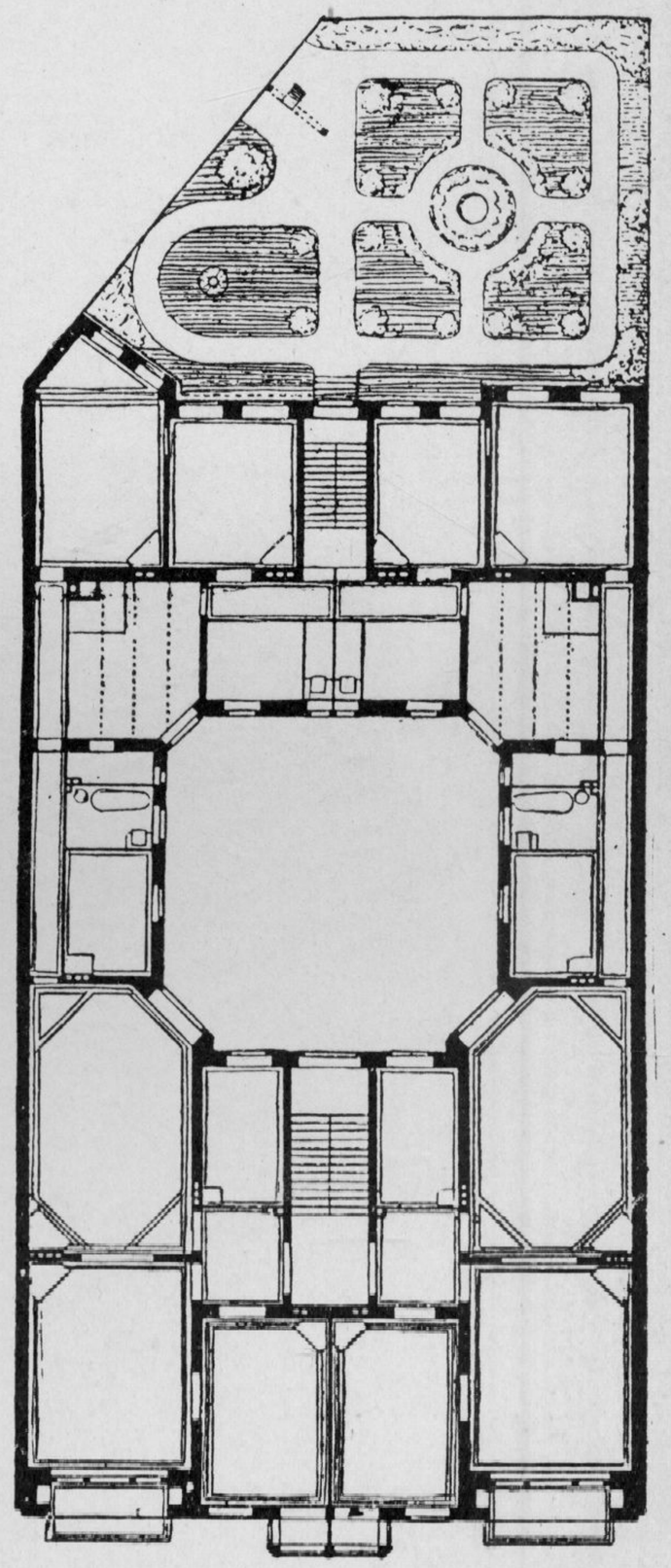


Fig. 4 — Casa in Berlino
(Arch. Krengel).

Proprietà artistica.

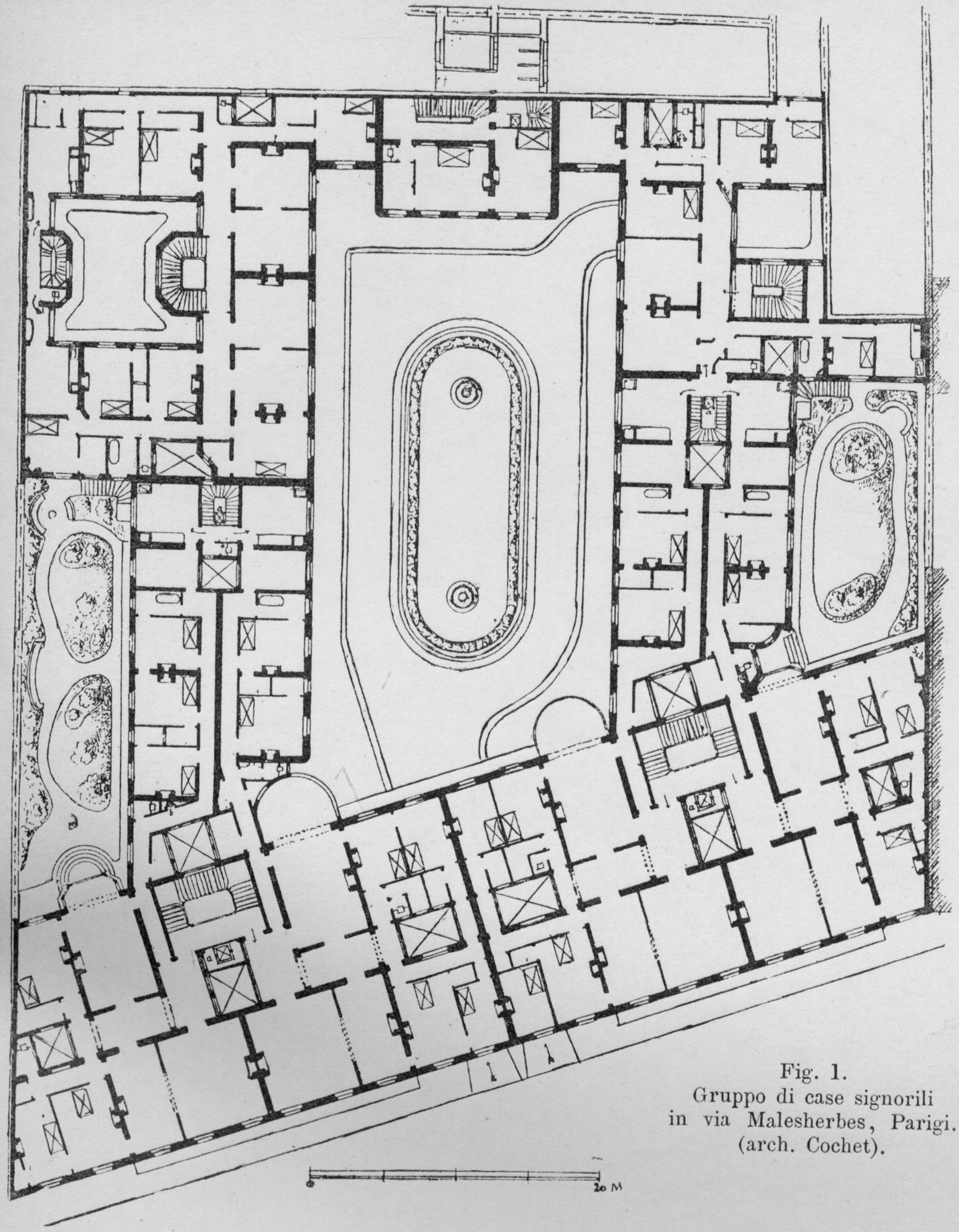


Fig. 1.
Gruppo di case signorili
in via Malesherbes, Parigi.
(arch. Cochet).

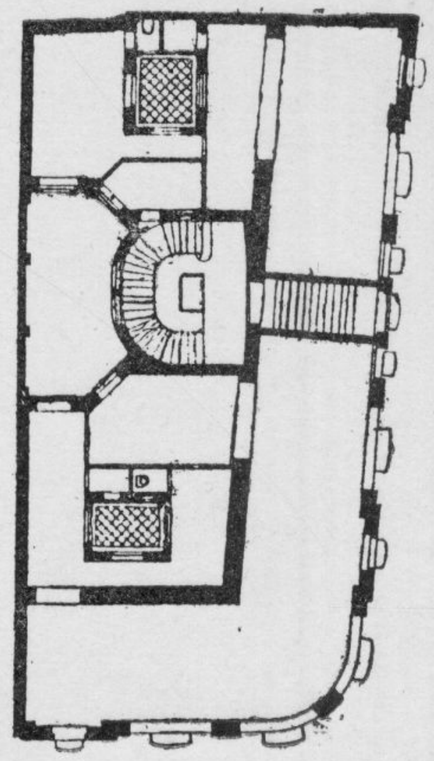


Fig. 2.
Pianta del piano terreno.

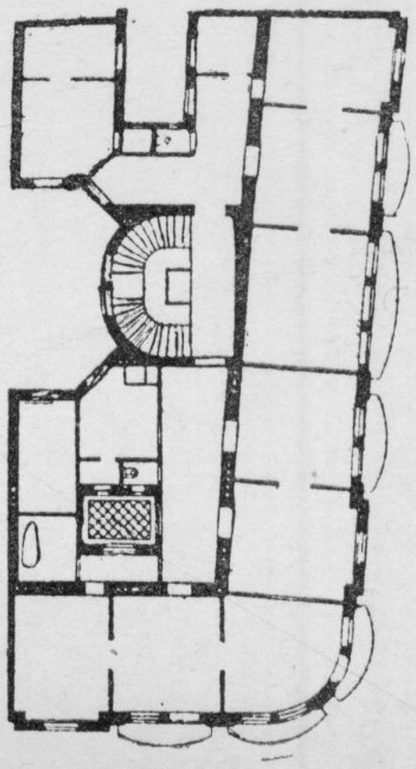


Fig. 2'.
Pianta dei piani superiori

—

Casa in Vienna alla Wollzeile
(arch. Pecha).

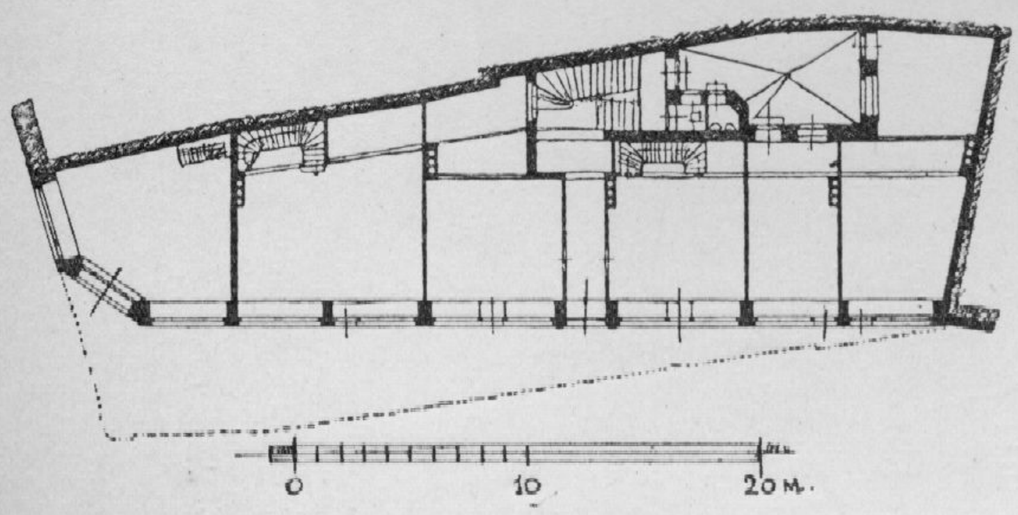


Fig. 3. — Pianta del piano terreno.

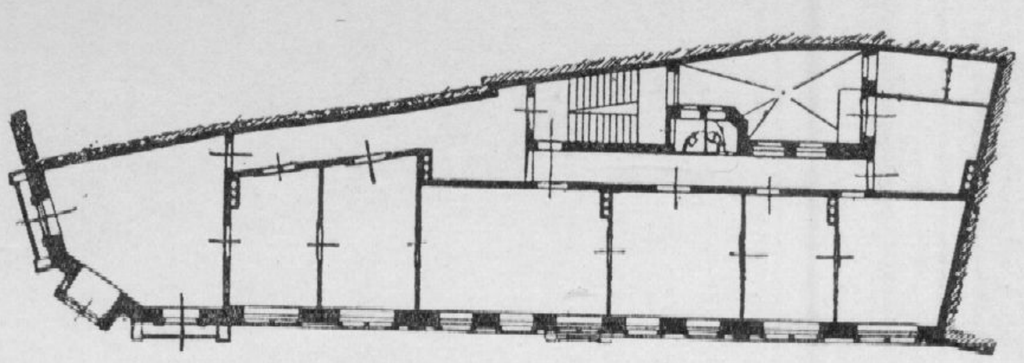


Fig. 3'. — Pianta dei piani superiori.

Thomashaus in Monaco (arch. von Dietrich e Voigt).

Proprietà artistica.

Casa da pigione per Cooperativa Case ed Alloggi per impiegati in Roma a piazza Caprera (Arch. Giovannoni): Primo progetto.

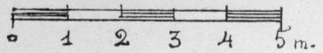


Fig. 2. — Prospetto su piazza Caprera.

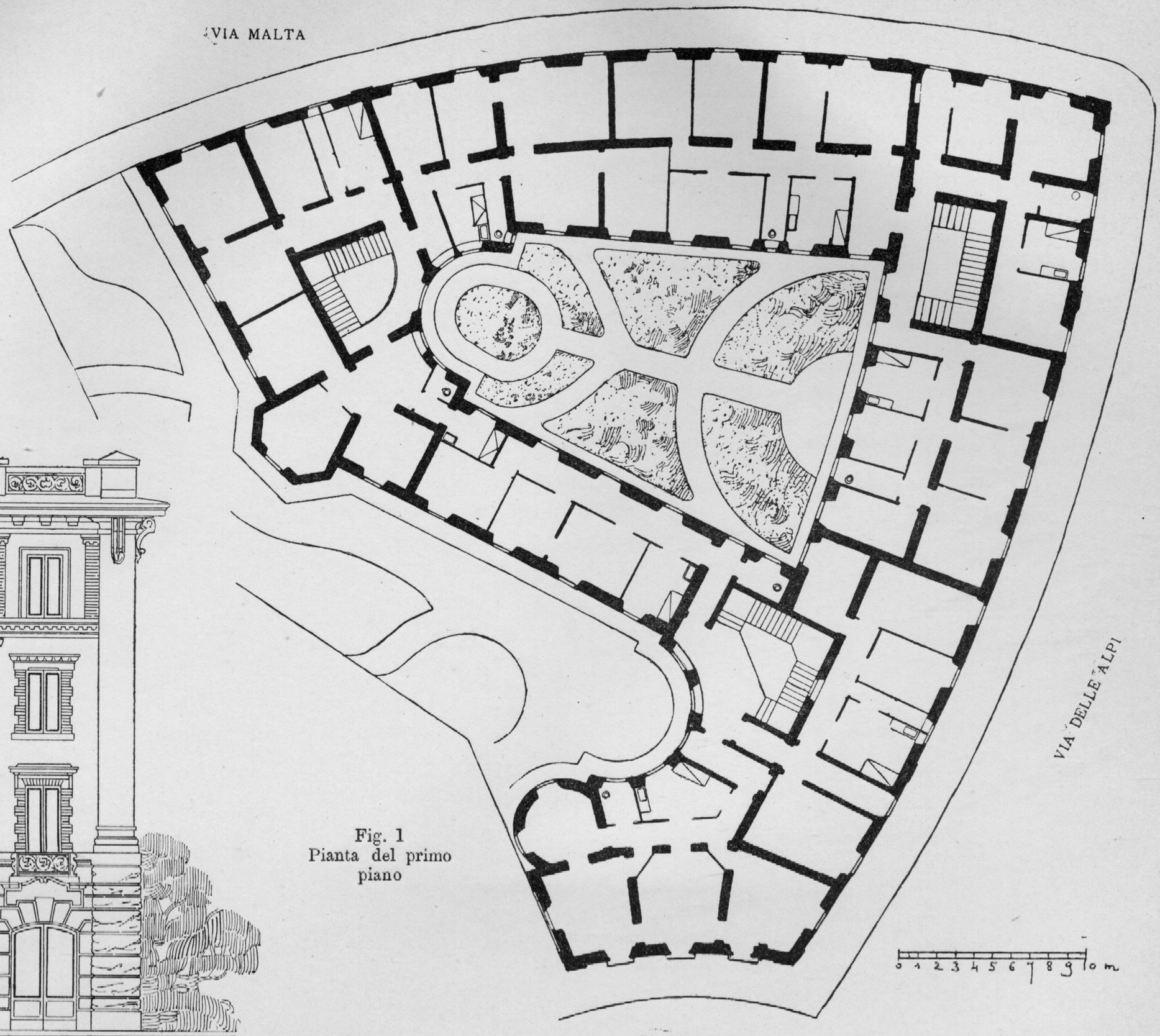


Fig. 1
Pianta del primo piano

Proprietà artistica.

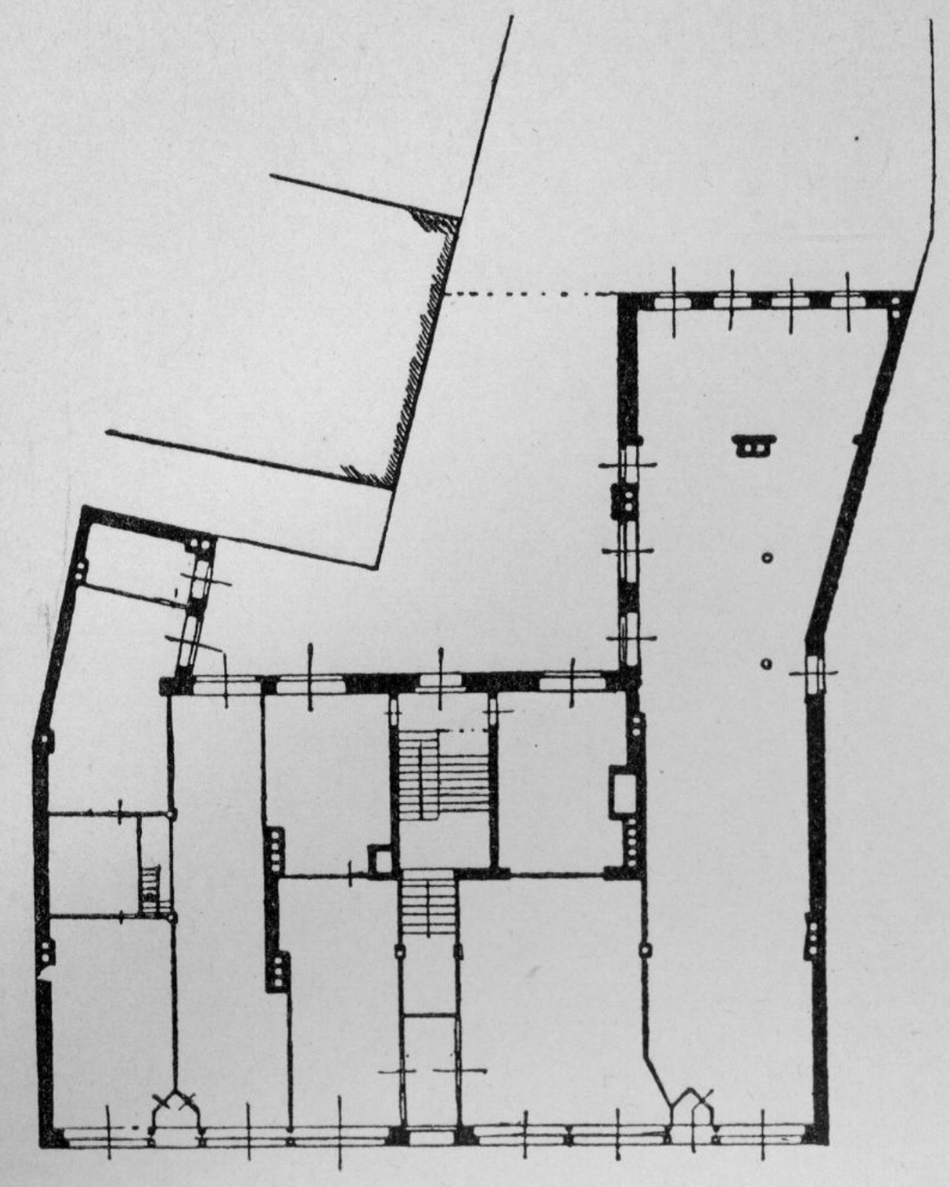


Fig. 1. — Pianta del piano terreno.

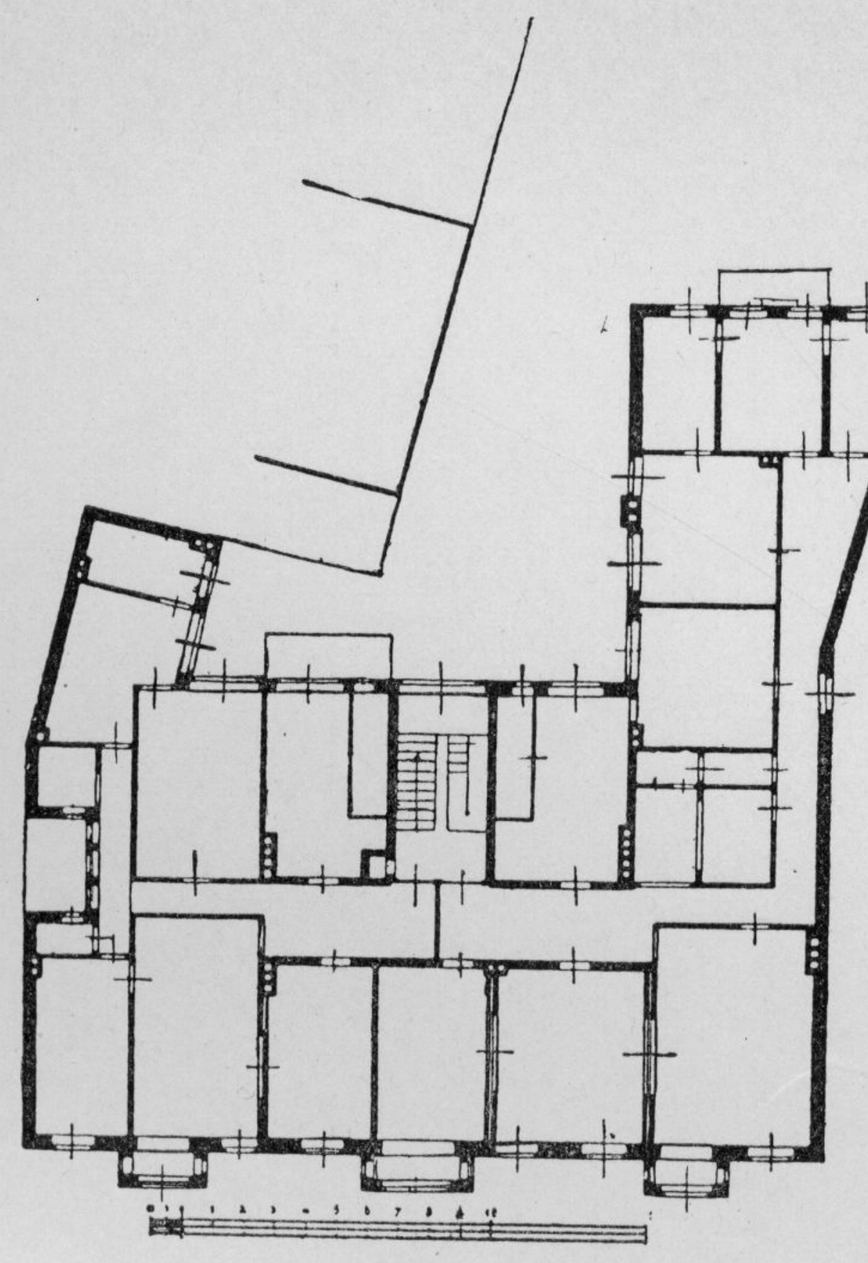


Fig. 1′. — Pianta del primo piano.

Casa in Hannover (arch. Krebs e Hecht).

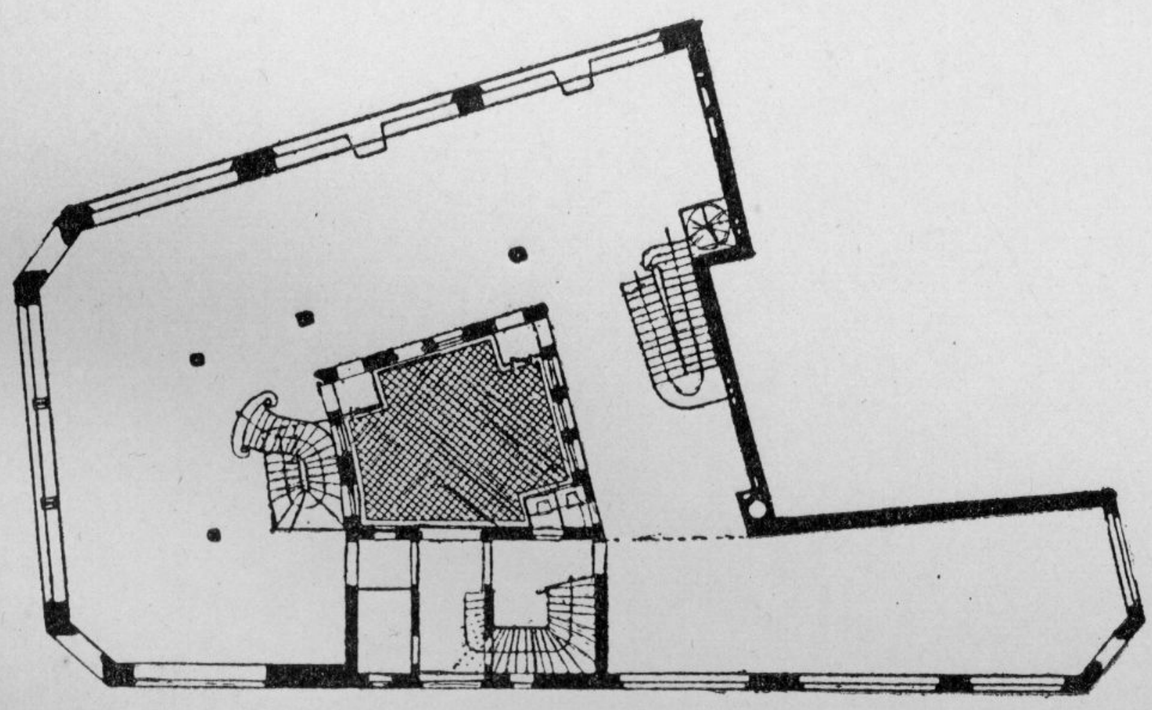


Fig. 2. — Pianta del piano terreno.

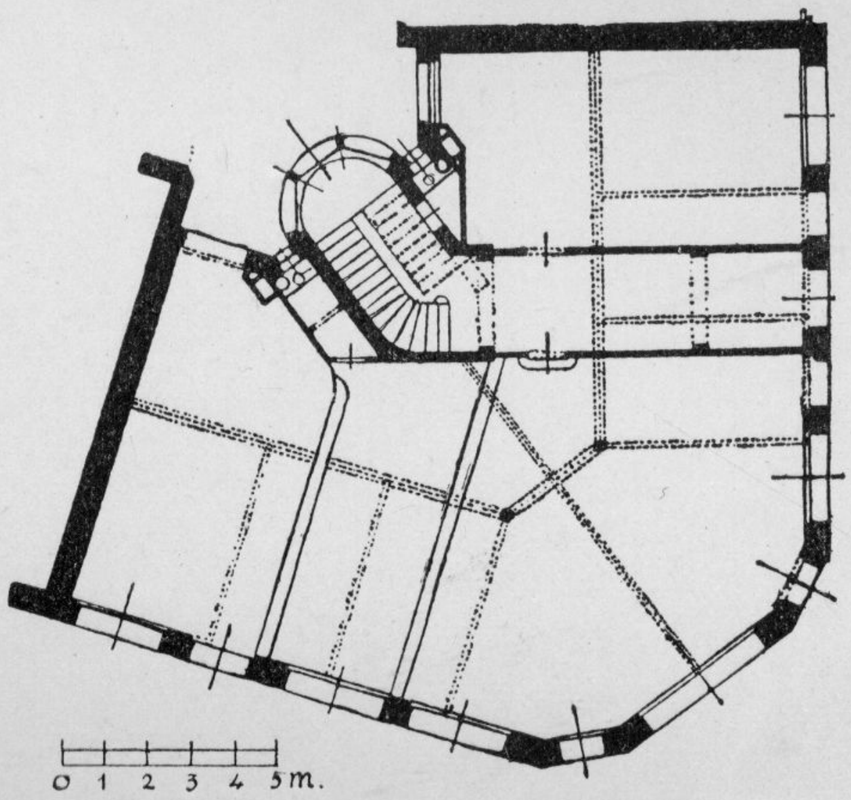


Fig. 3. — Pianta del piano terreno.

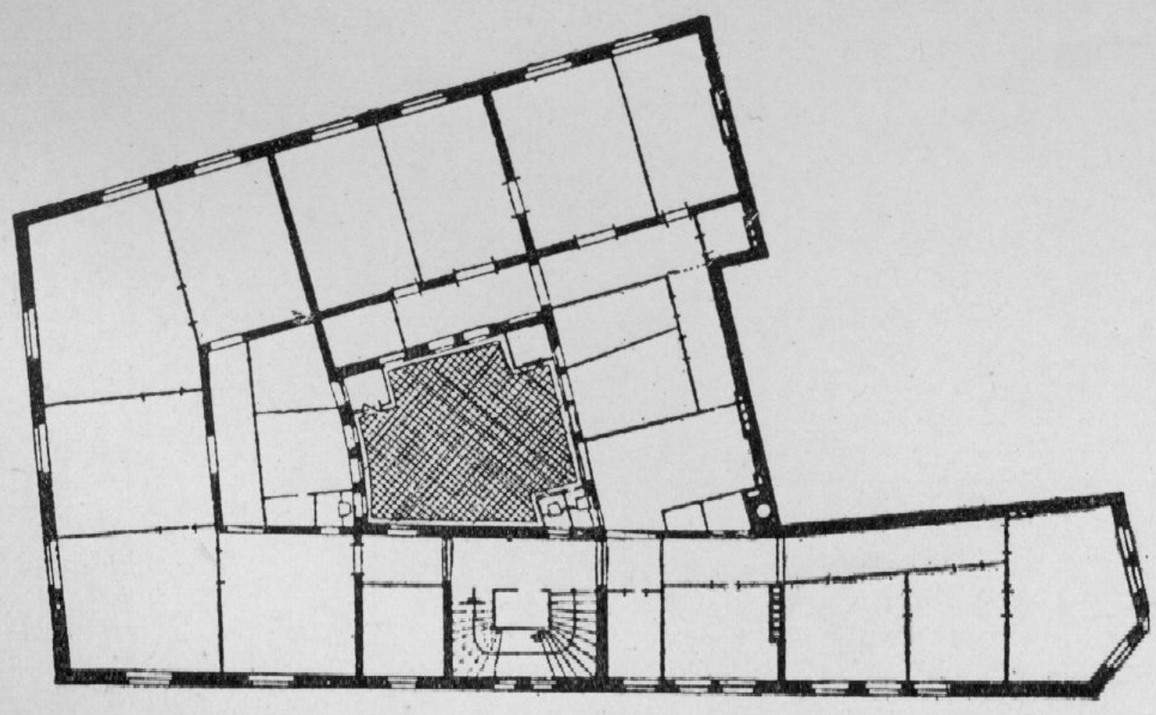


Fig. 2′. — Pianta del primo piano.

Casa con magazzini di vendita in Halle
(arch. Knock e Kallmeyer).

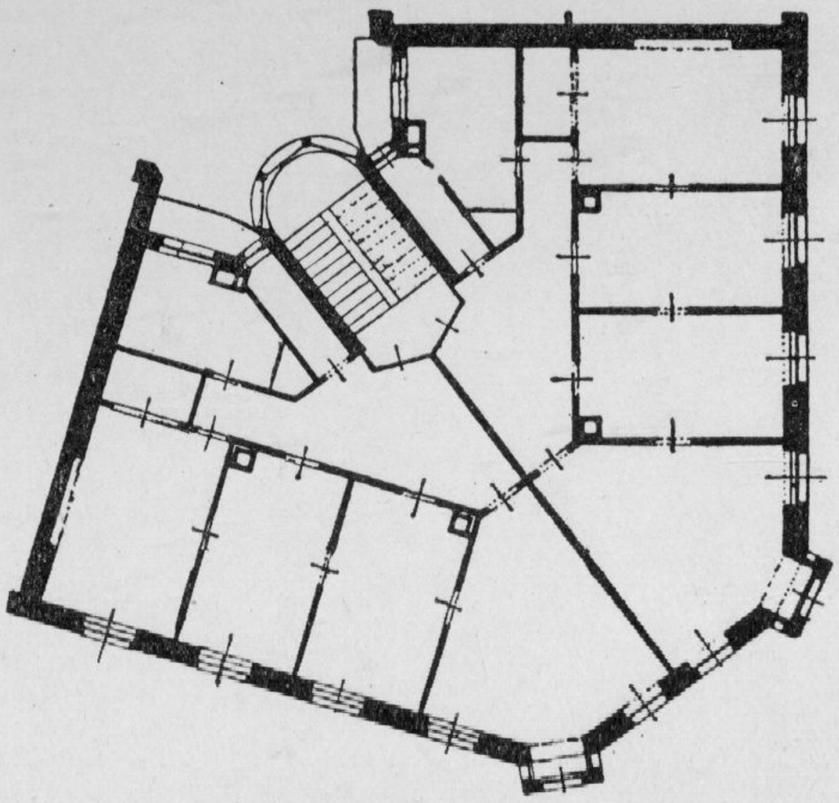


Fig. 3′. — Pianta del primo piano.

Casa con magazzini di vendita in Stuttgart
(arch. Hengerer).

Proprietà artistica.

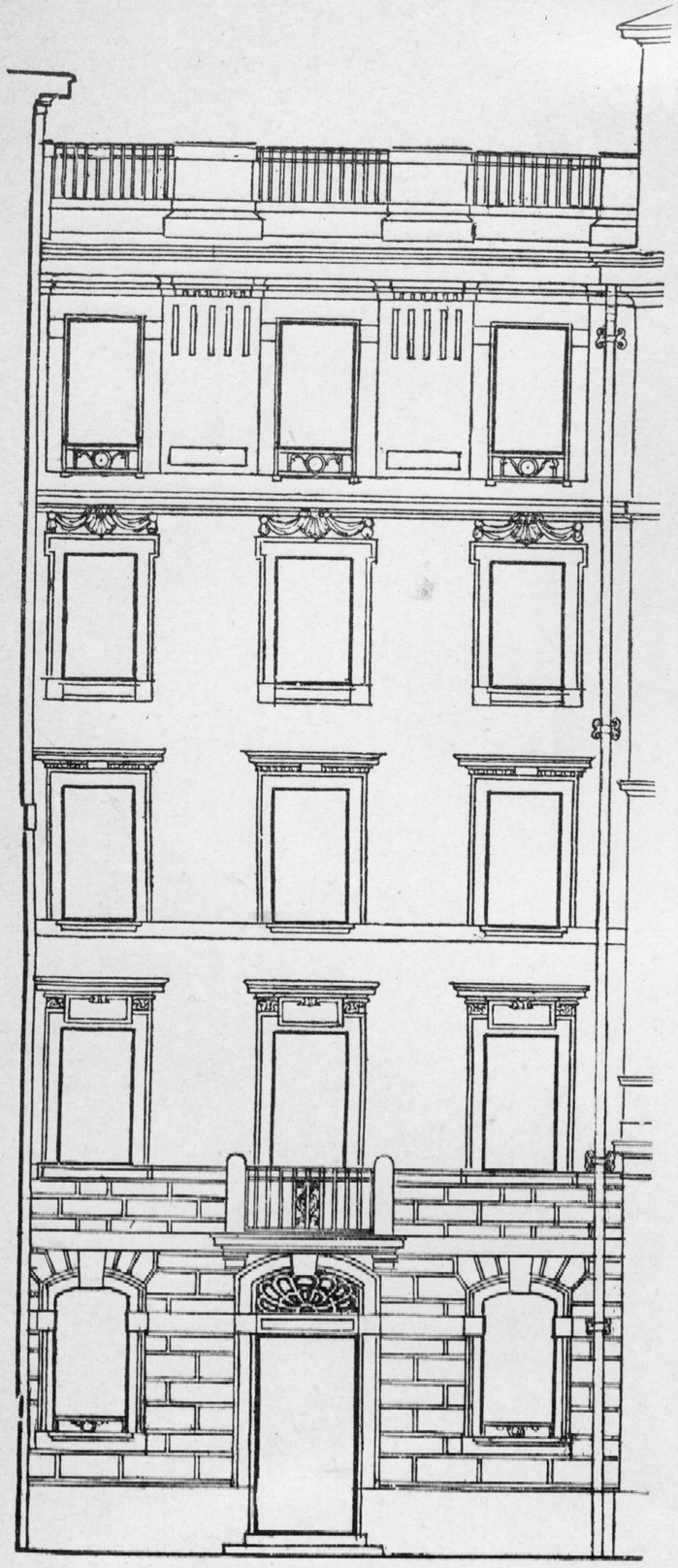


Fig. 1

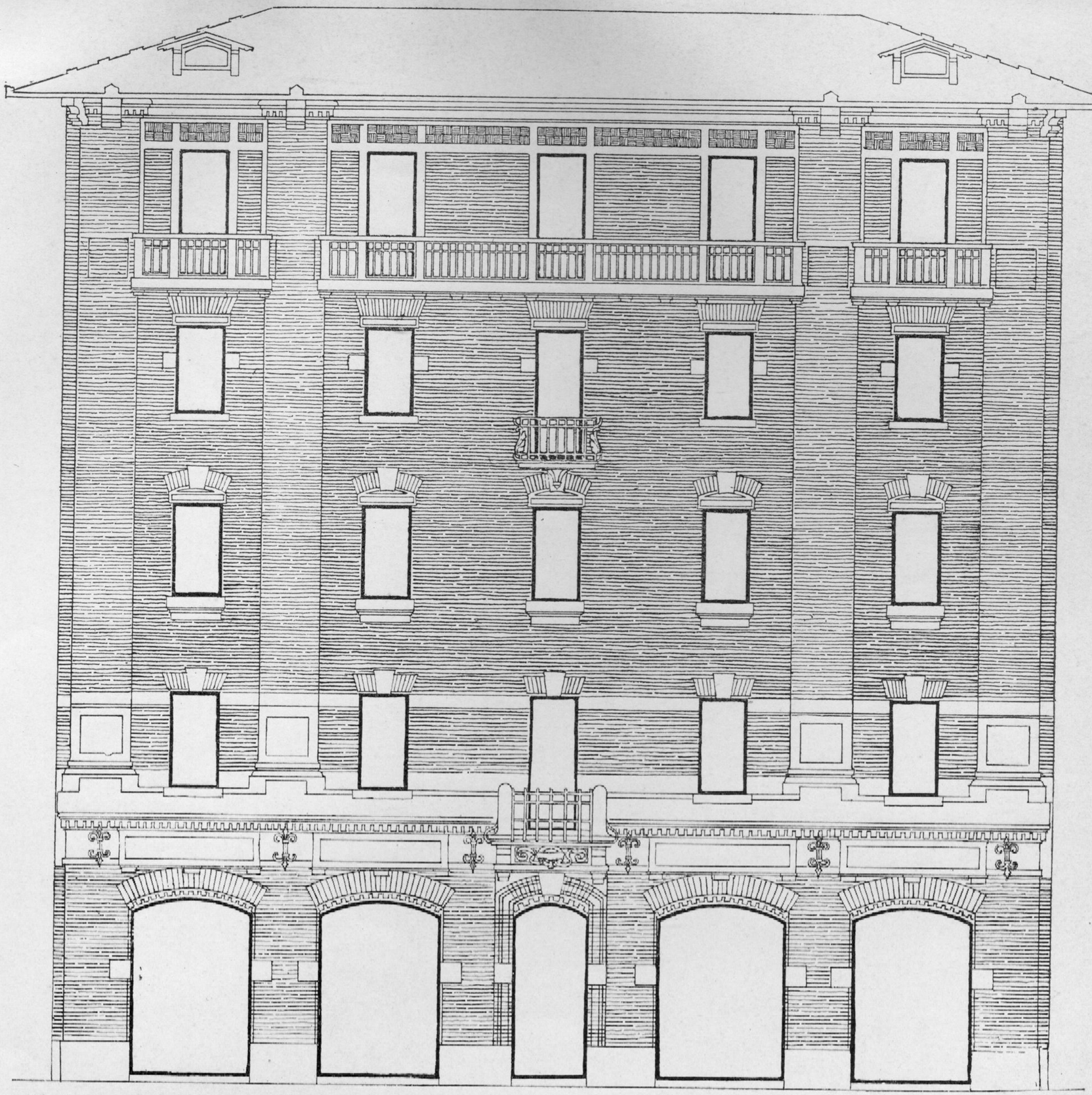


Fig. 2

Tipi vari di prospetti.

Proprietà artistica.

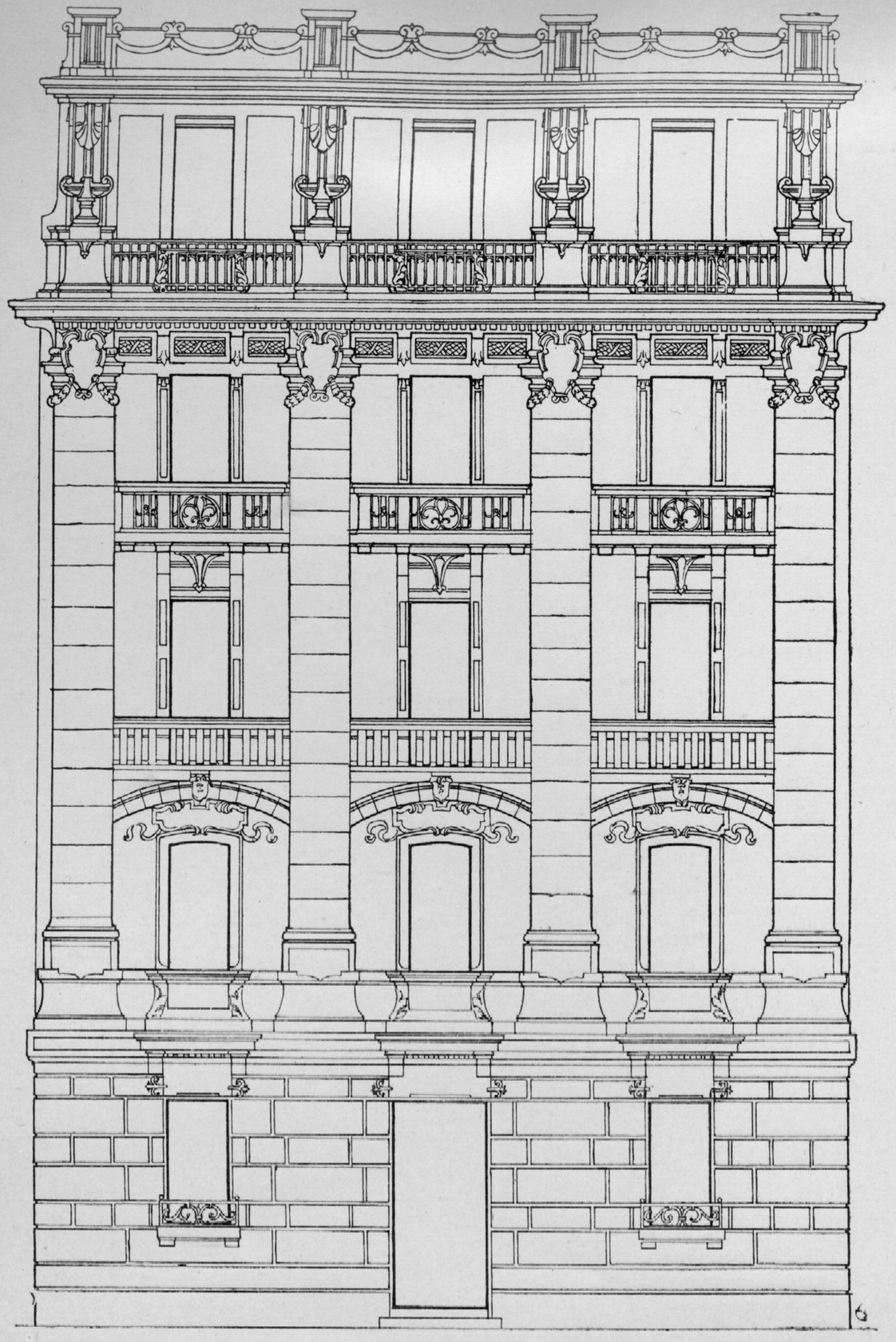


Fig. 1.

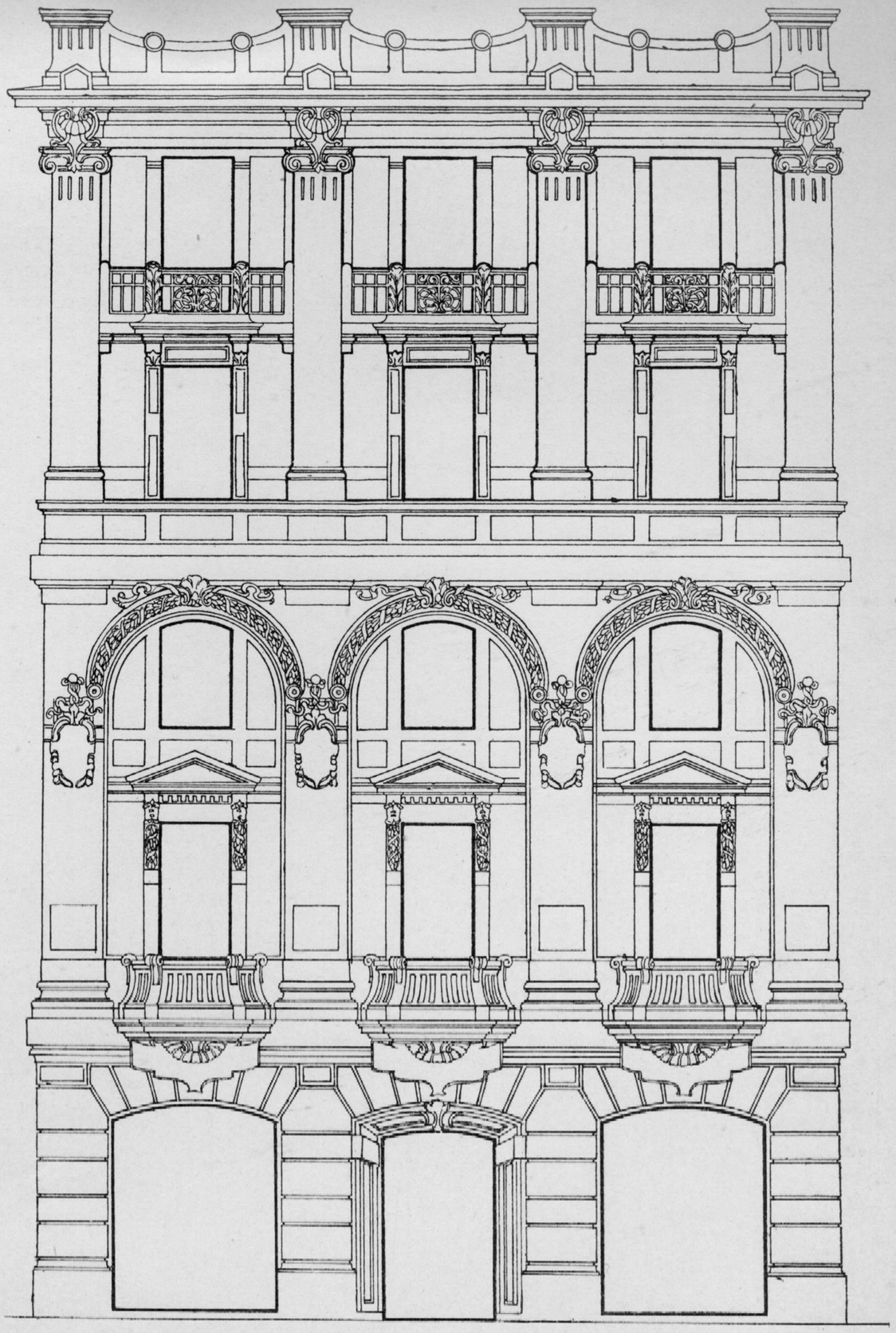


Fig. 2.

TIPI VARI DI PROSPETTI

Proprietà artistica.

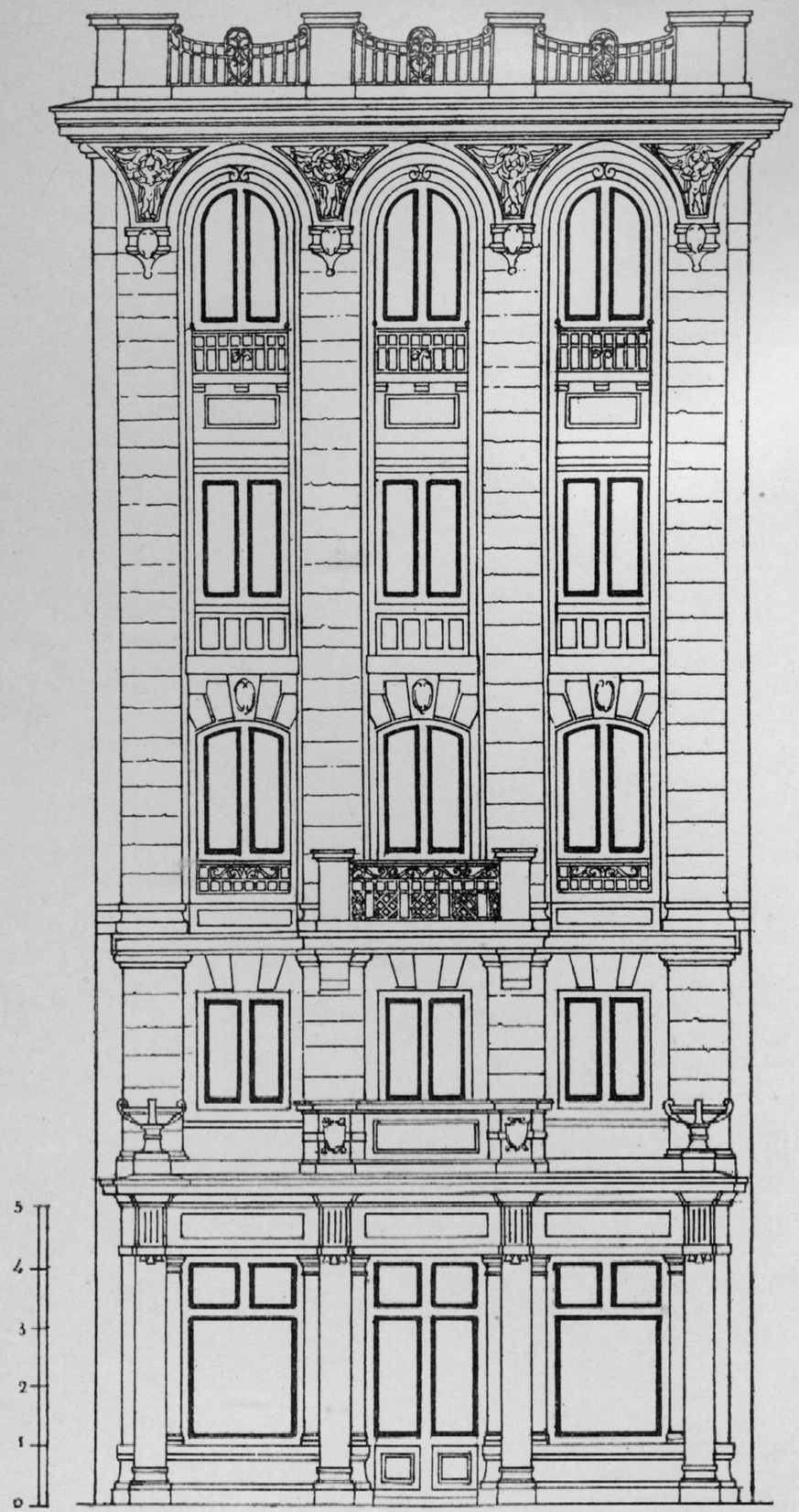


Fig. 1.

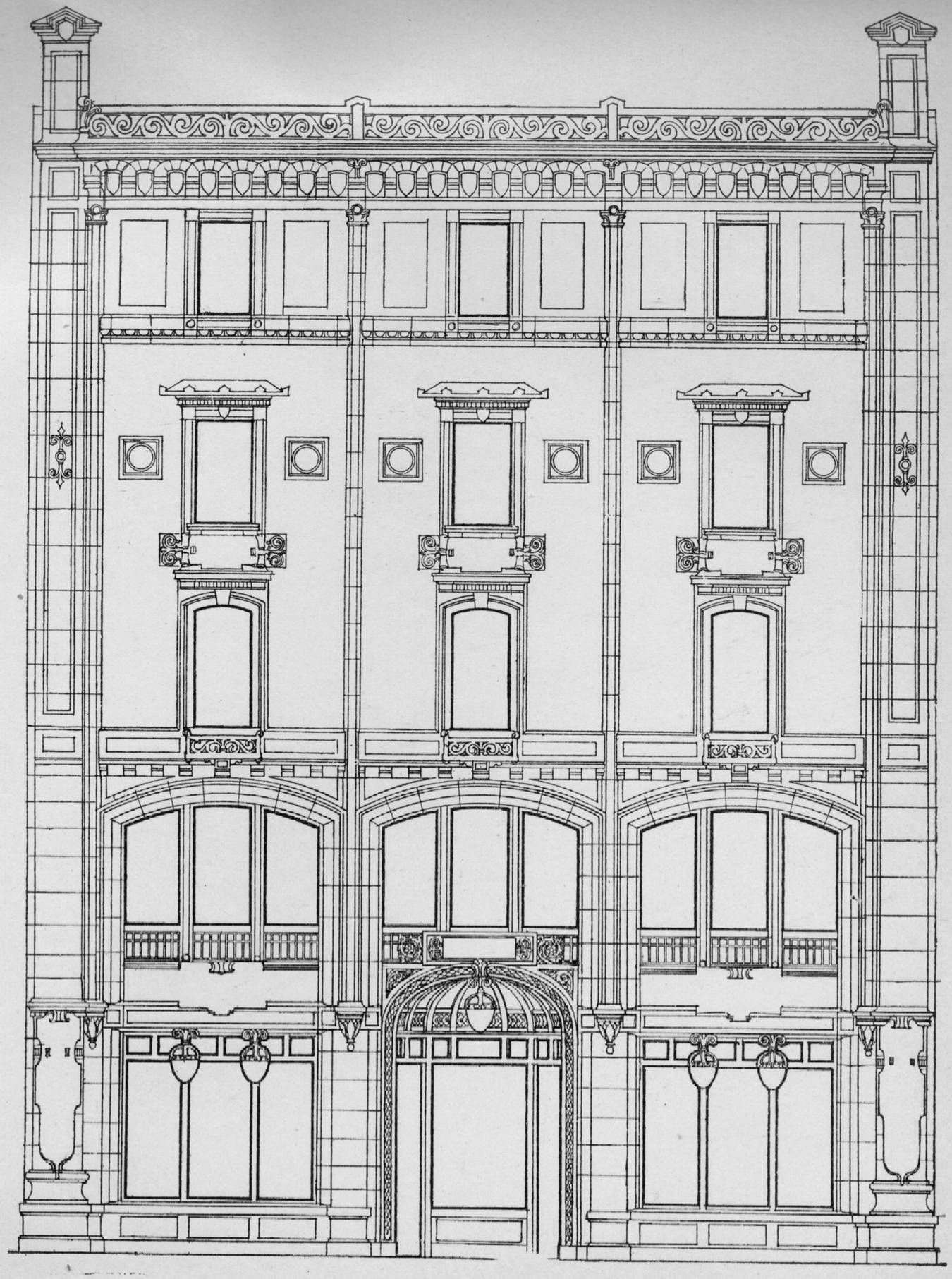
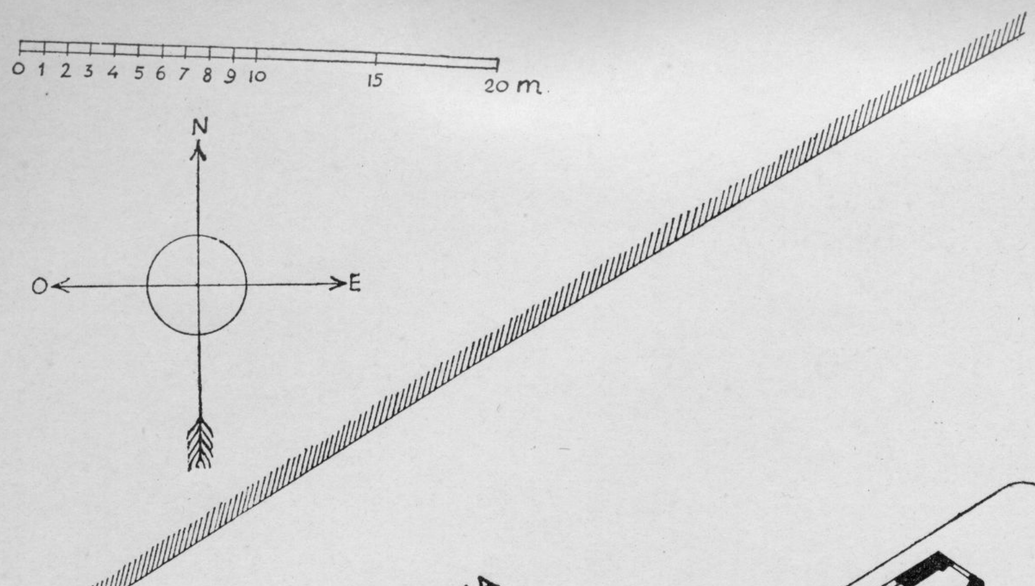


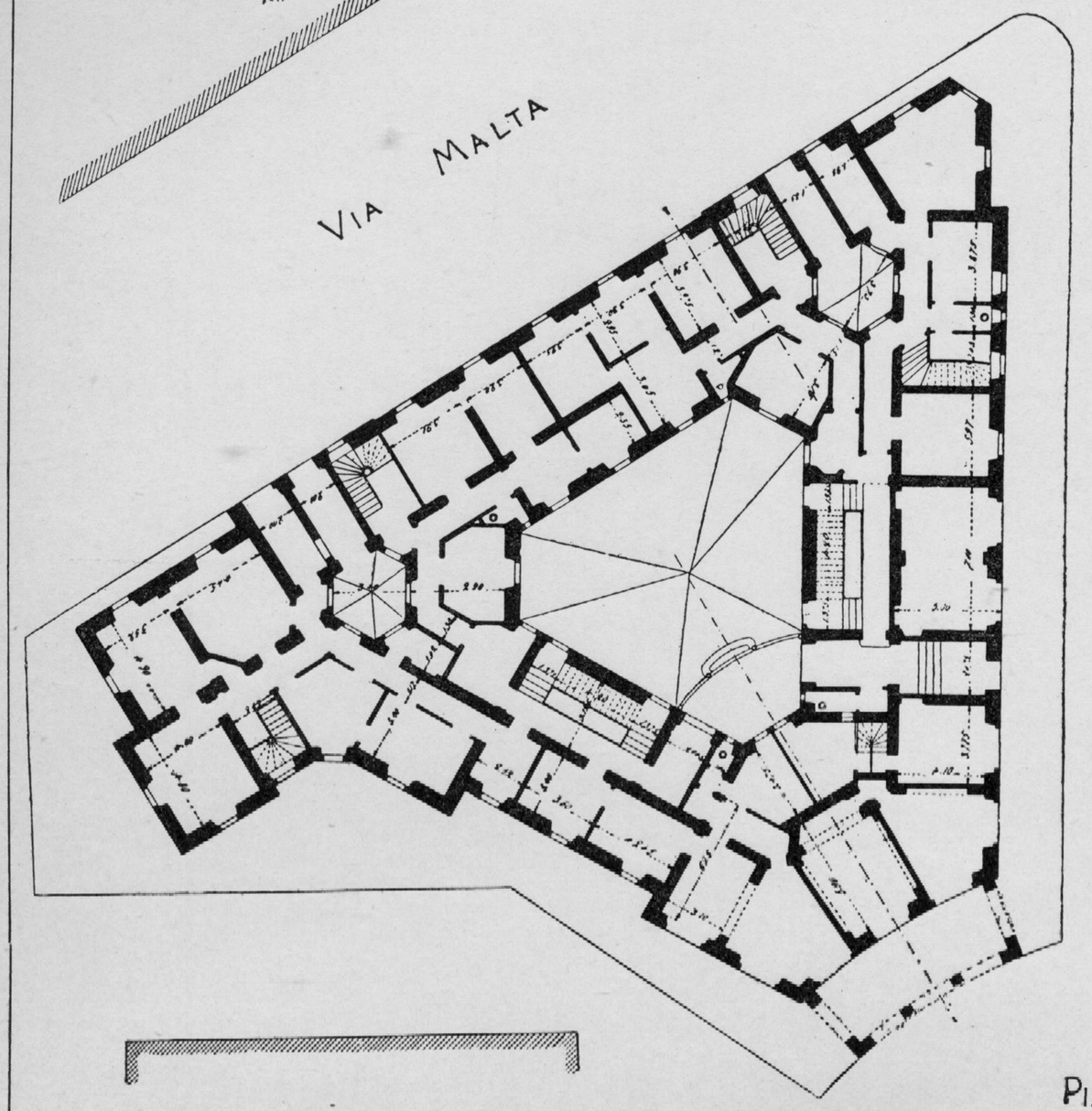
Fig. 2.

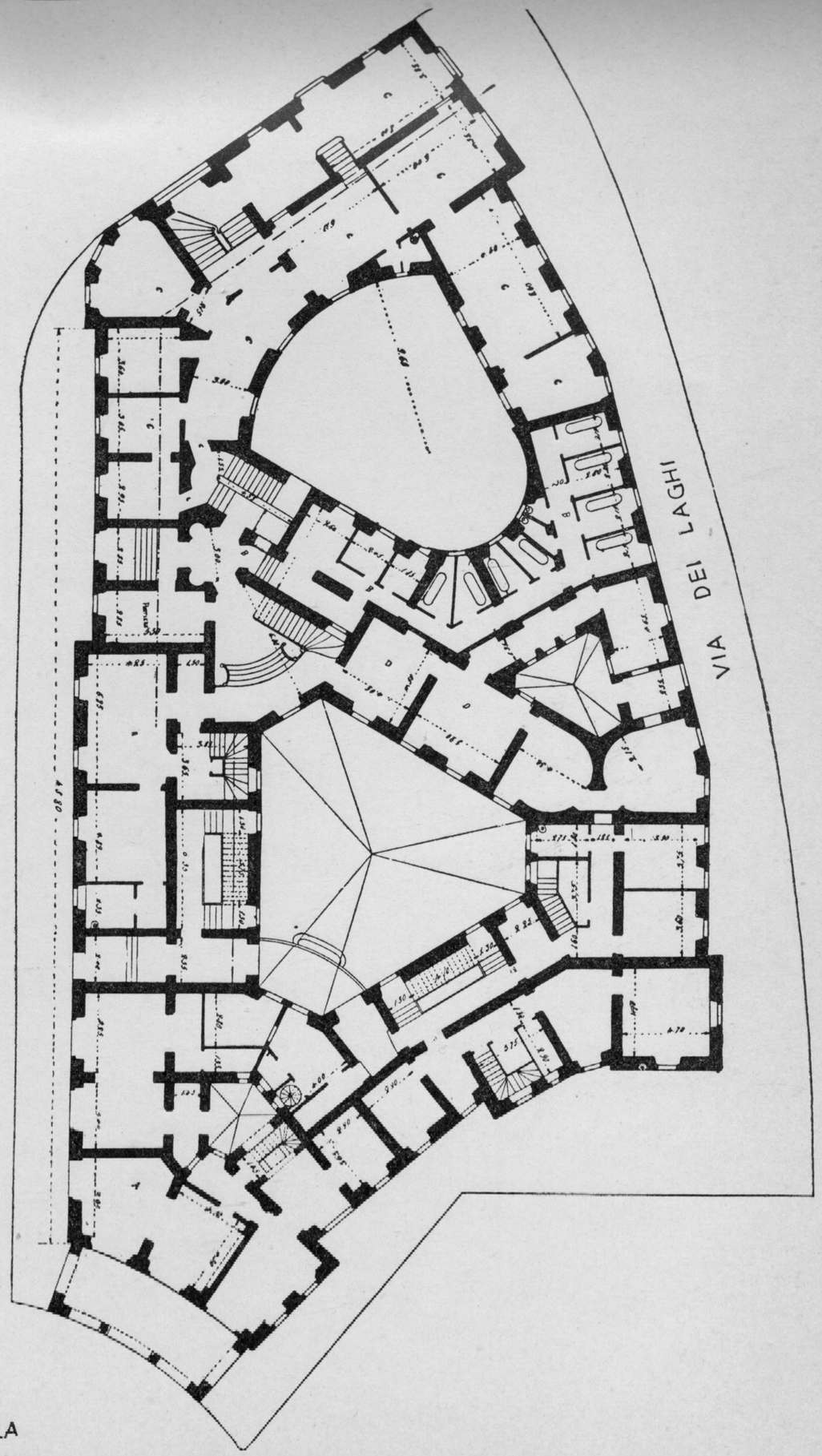
TIPI VARI DI PROSPETTI.

0 1 2 3 4 5 m.

Proprietà artistica.



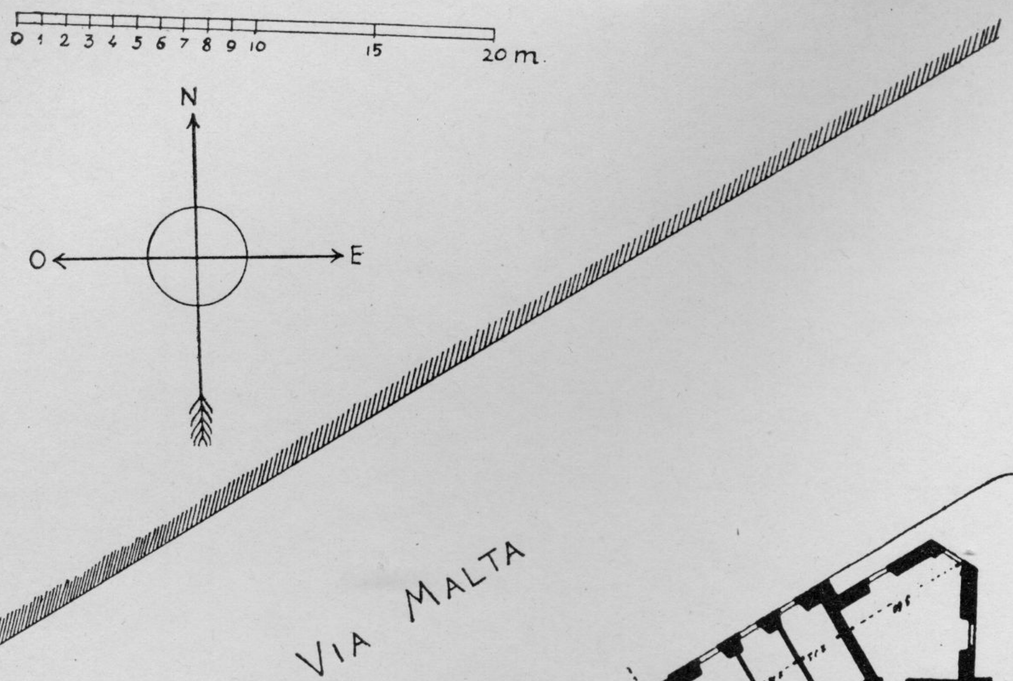


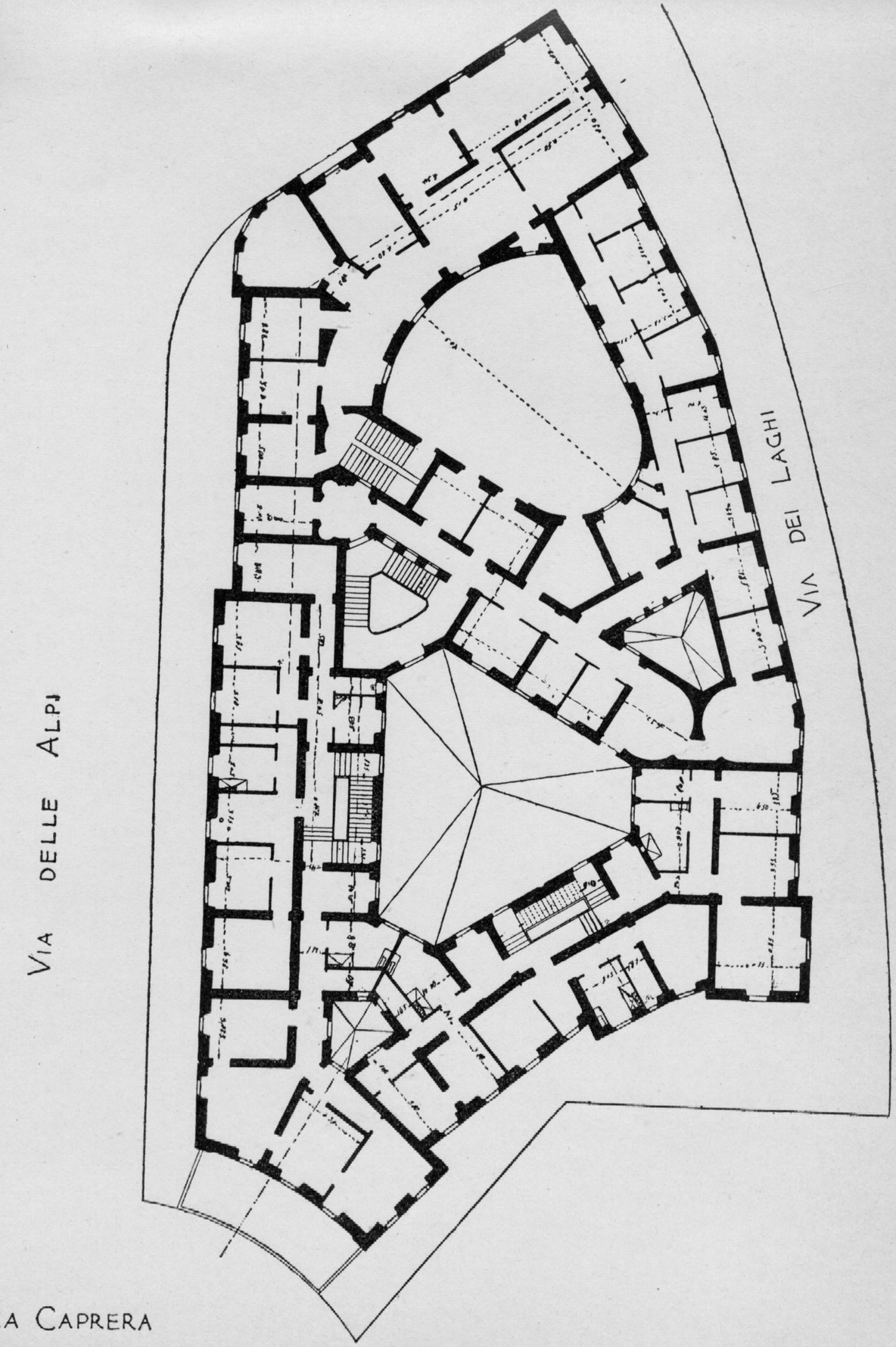


PIAZZA CAPRERA

Case della Cooperativa Case ed Alloggi per Impiegati in Roma (Arch. Giovannoni). — Piante del piano terreno.

Proprietà artistica.





PIAZZA CAPRERA

Case della Cooperativa Case ed Alloggi per Impiegati in Roma (Arch. Giovannoni). — Pianta del 1.° piano.

Proprietà artistica.

Fig. 1. — Prospetto su piazza Caprera e via delle Alpi.

Fig. 2. — Prospetti su via delle Alpi e via Malta.
Casa della Cooperativa Case e Alloggi per impiegati in Roma (arch. Giovannoni).

Proprietà artistica.

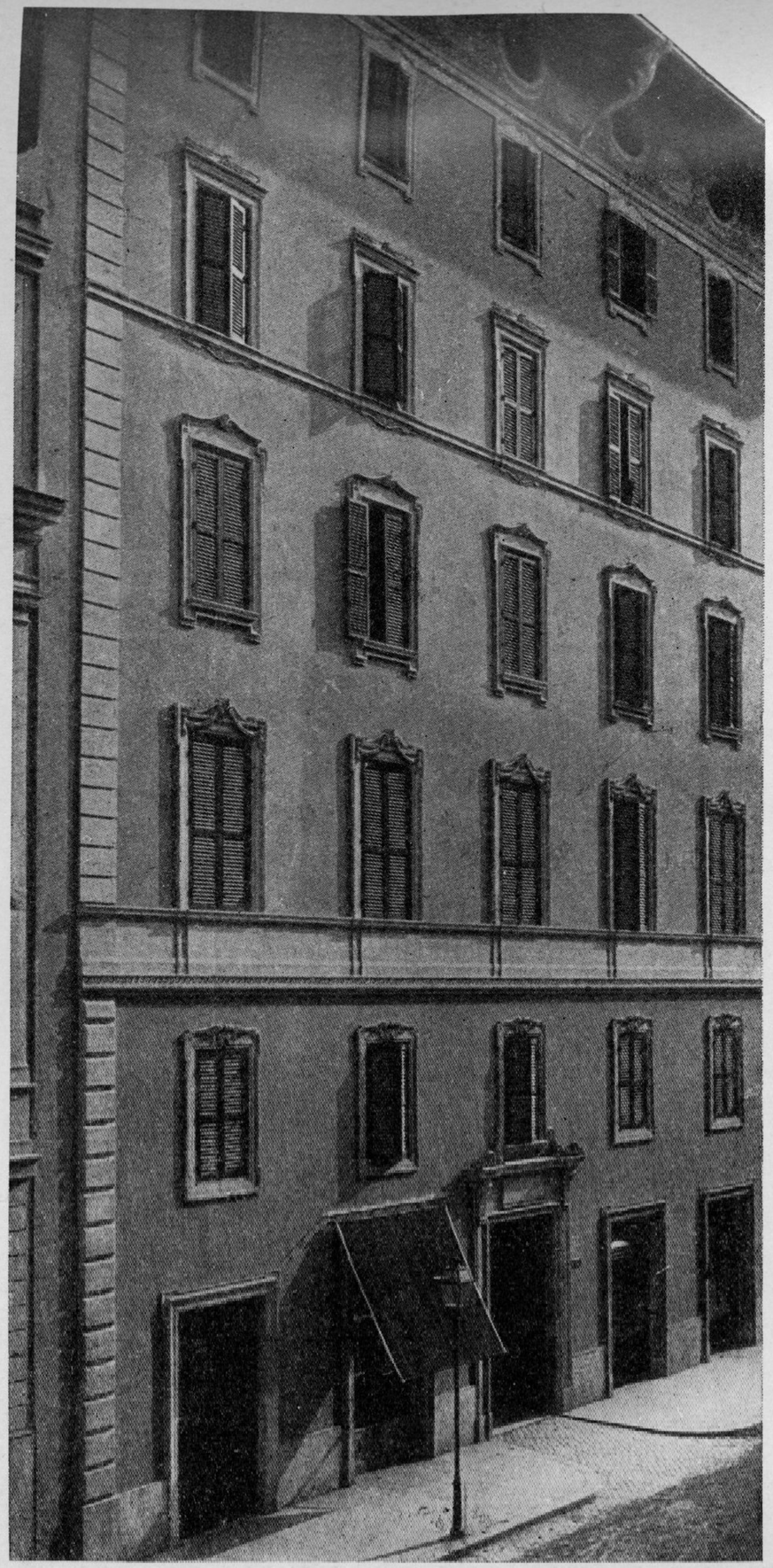
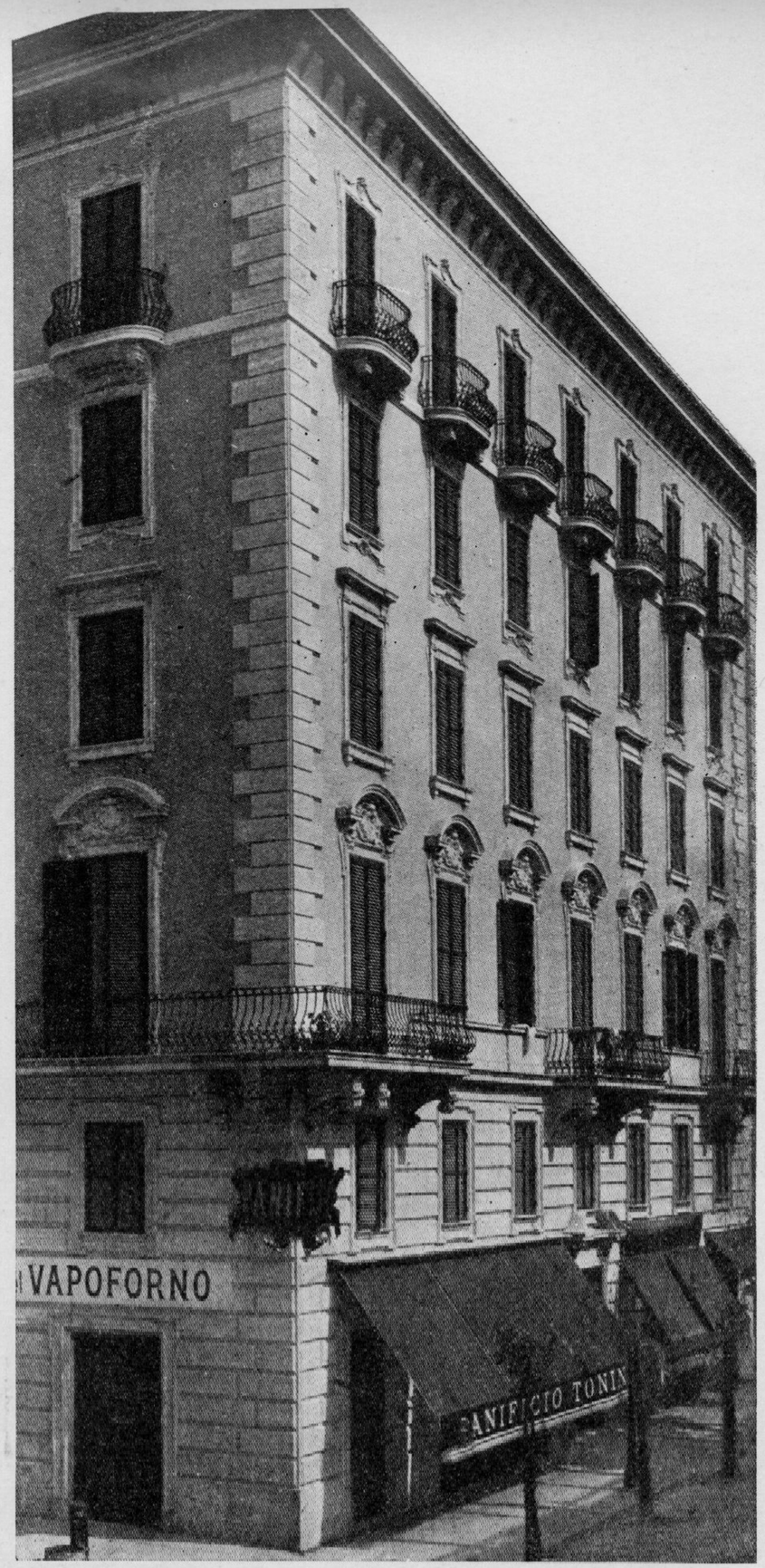


Fig. 1. — Prospetto di casa in Roma, via degli Scipioni.
(Arch. G. B. Milani).



Pig. 2. — Prospetto di casa in Roma, via Fabio Massimo
angolo via Scipioni (Arch. G. B. Milani).

Proprietà artistica.

Fig. 1.
Prospetto di casa in Halle (Arch. Assmann e Seidel).

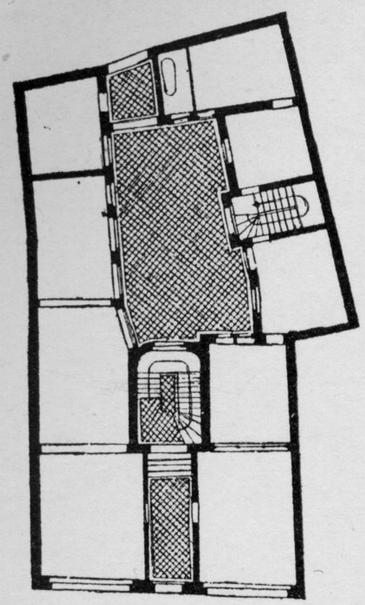


Fig. 1''
Pianta dei piani superiori.

Scala 1: 500

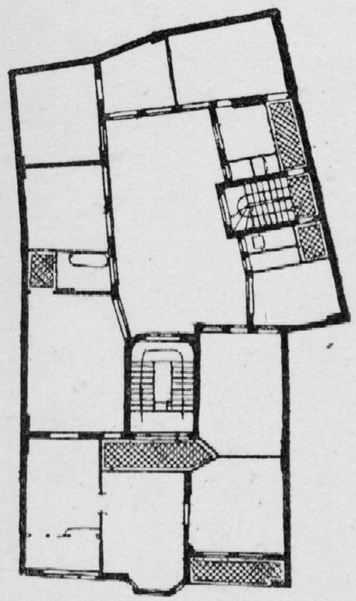


Fig. 1'
Pianta del piano terreno
della casa in Halle
(Arch. Assmann e Seidel).

Fig. 2.
Prospetto di casa in Roma, Via V. Colonna. (Arch. M. Piacentini).

Proprietà artistica.

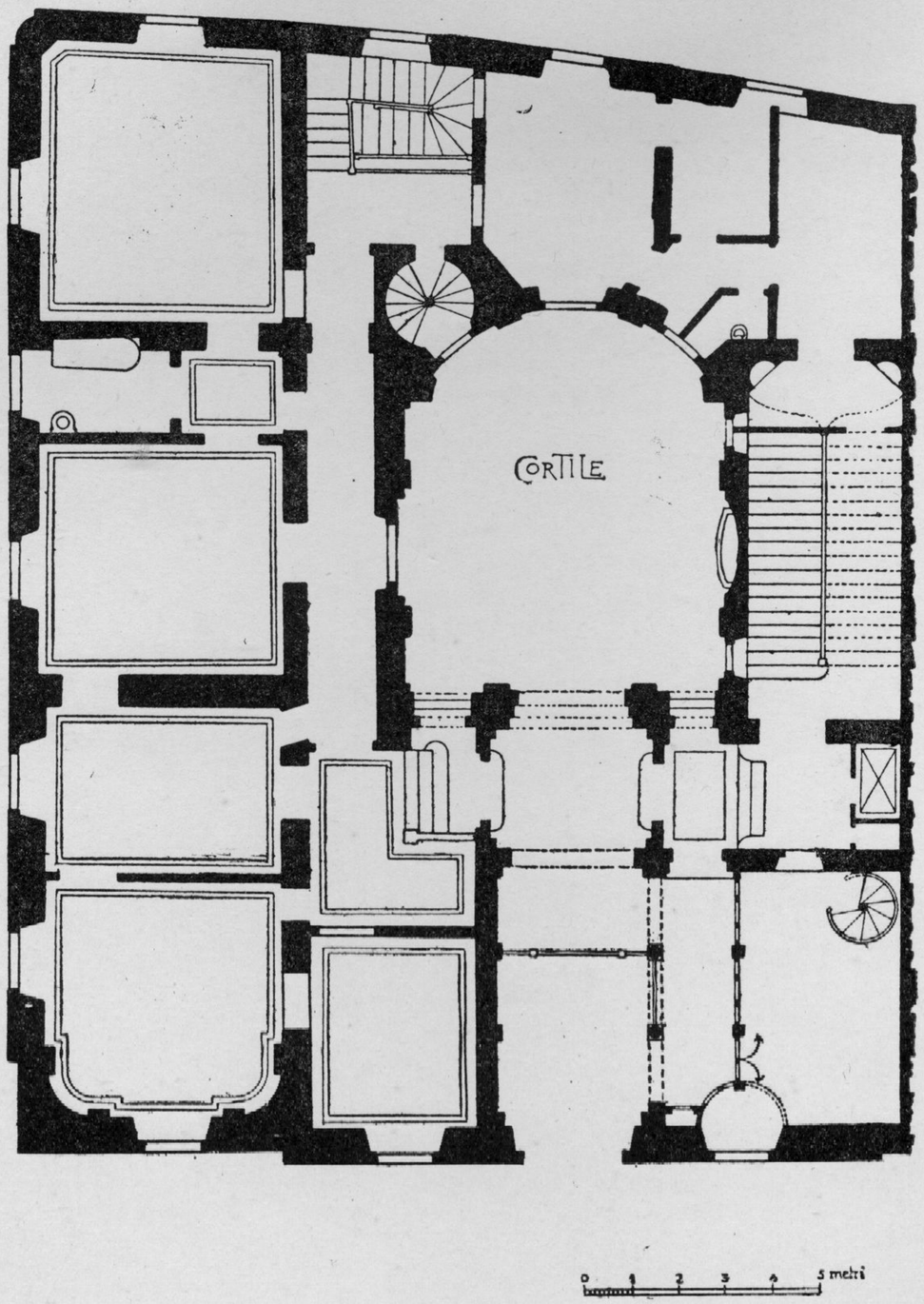


Fig. 1. — Pianta del piano terreno

Casa signorile in Roma, Piazza Montedoro
(Arch. Giovannoni).

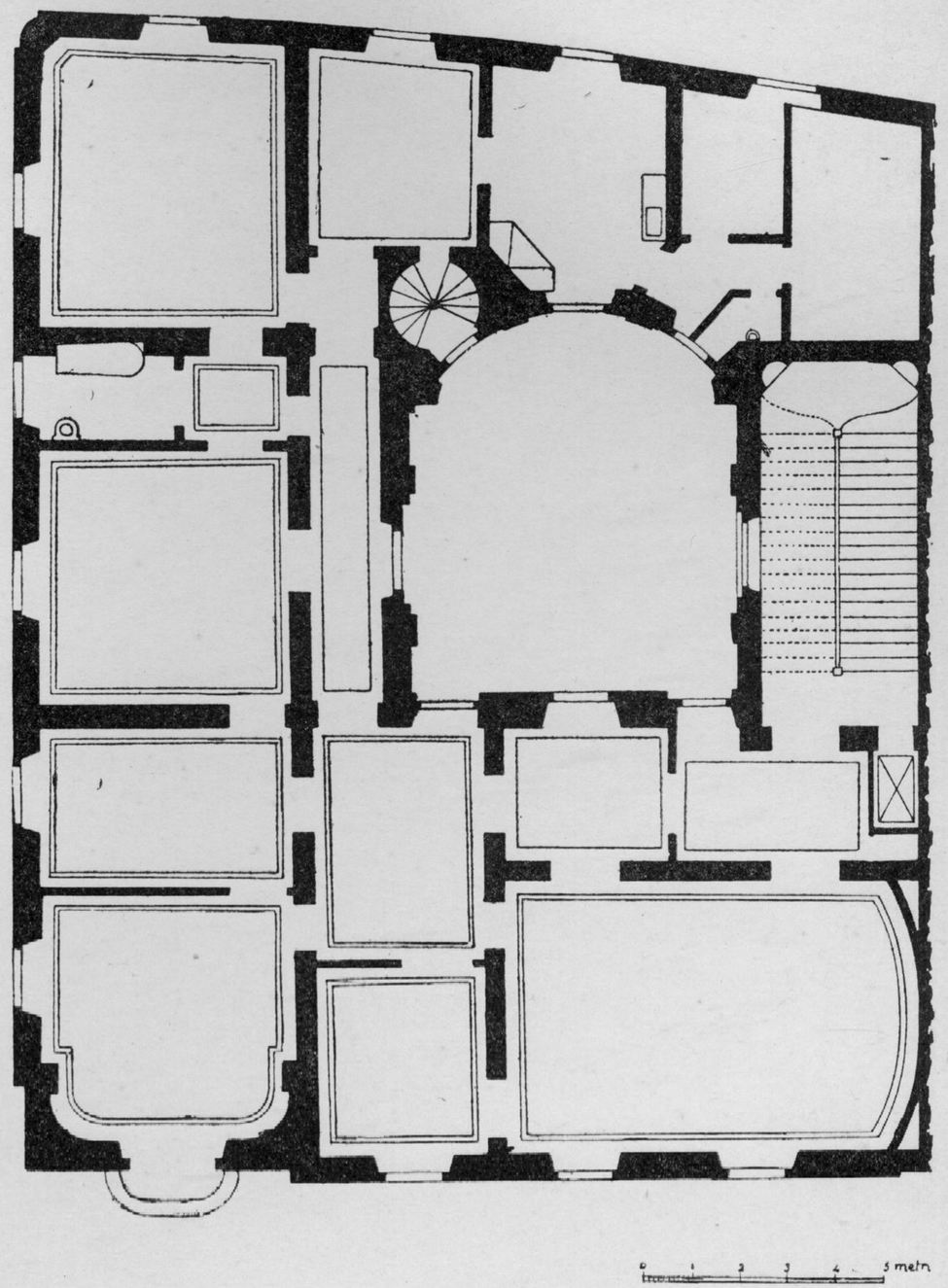


Fig. 2.° — Pianta del 1 piano.

Proprietà artistica.

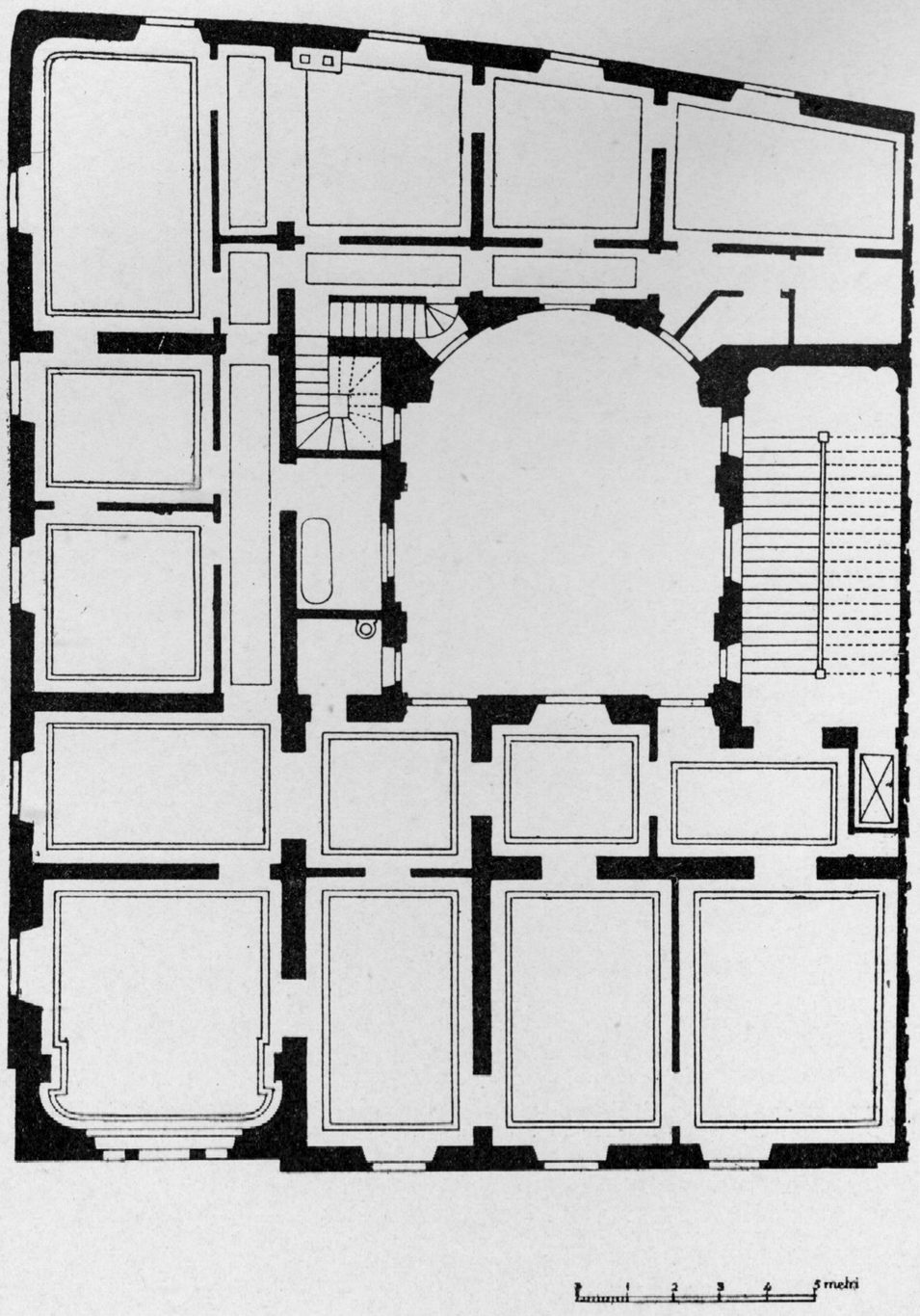


Fig. 1. — Pianta del 2.° piano.

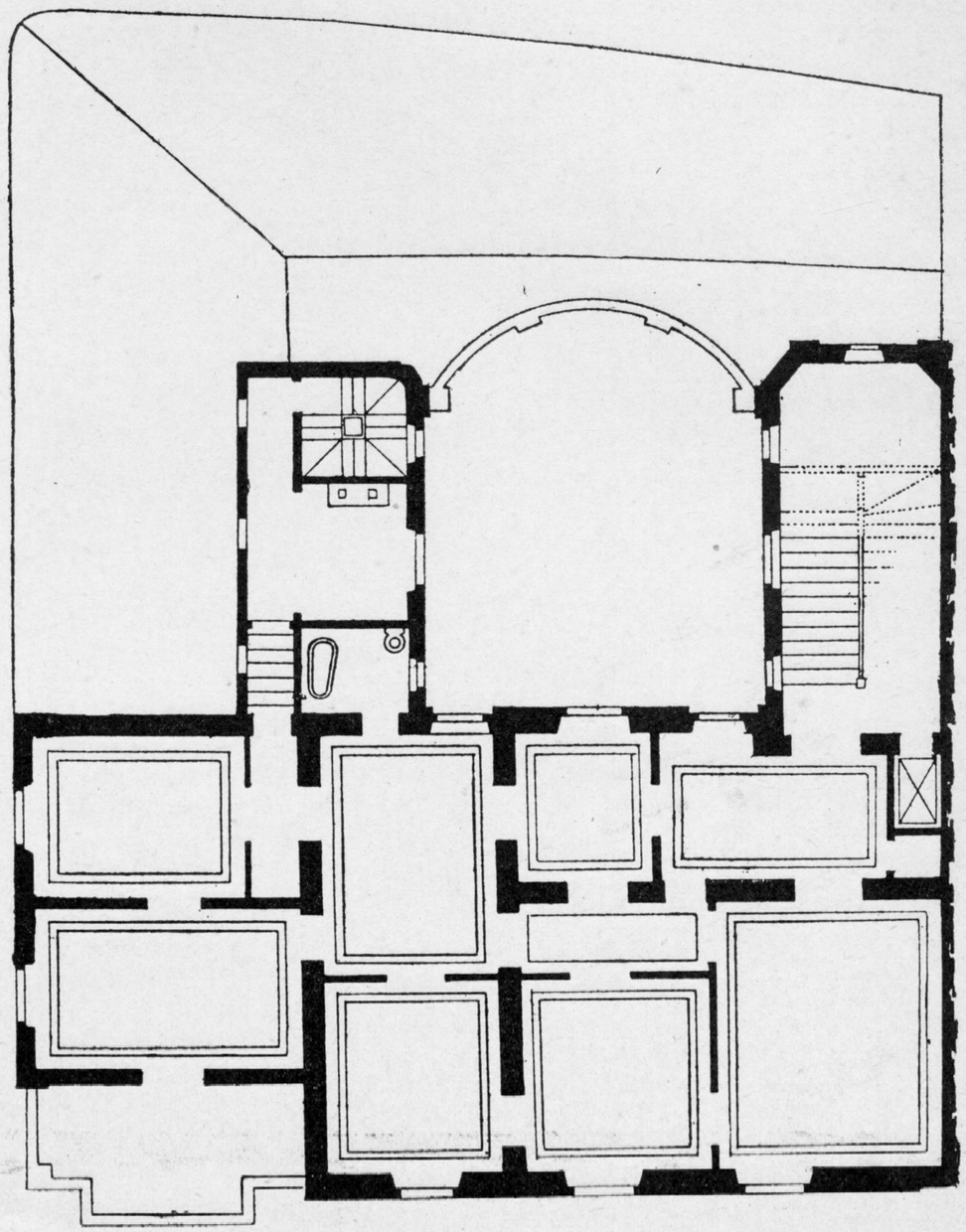


Fig. 2. — Pianta del 3.° piano.

Casa signorile in Roma, Piazza Montedoro.
(Arch. Giovannoni).

Proprietà artistica.

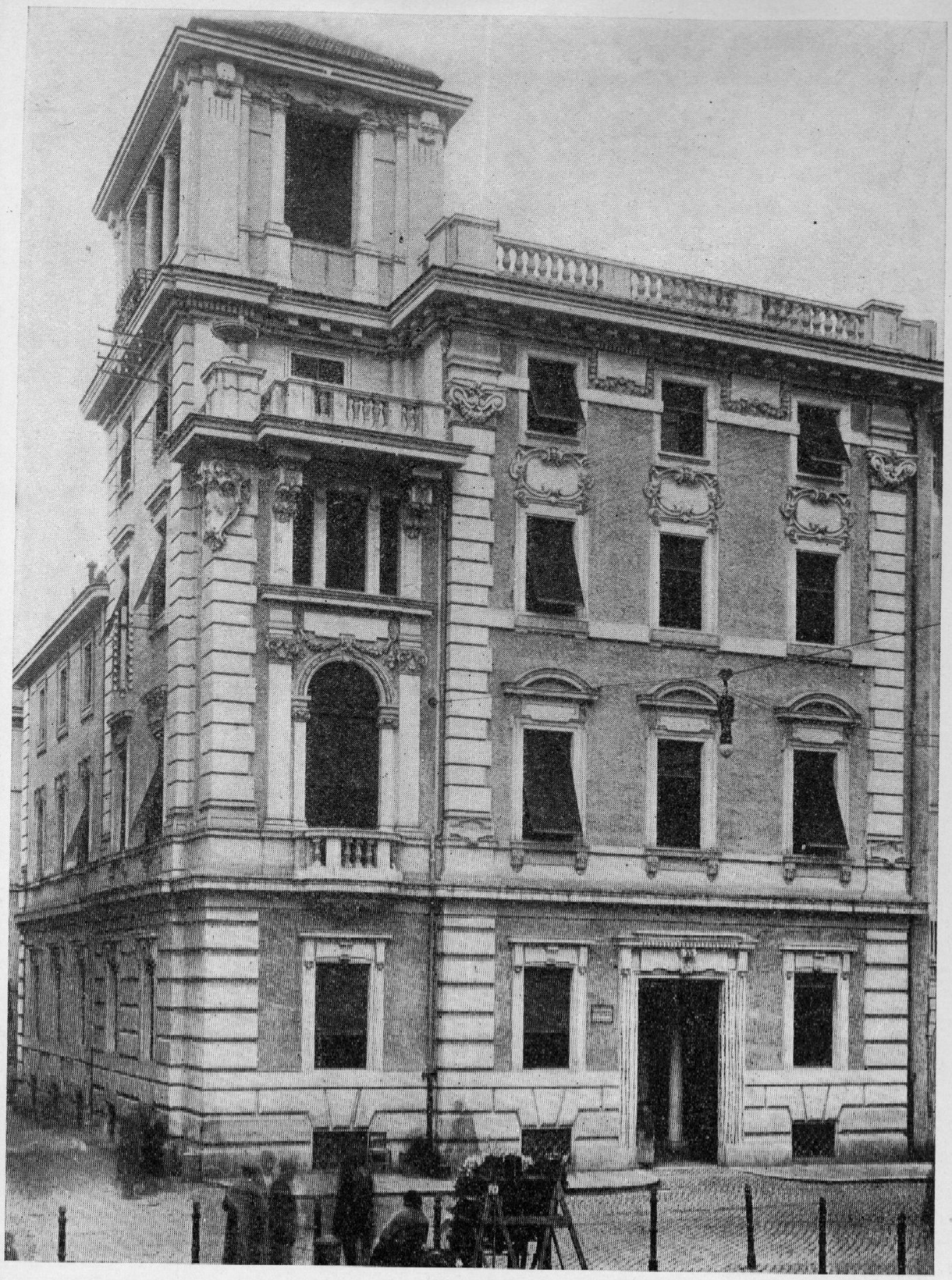


Fig. 1. — Prospetto principale sulla piazza Montedoro.
Palazzetto Torlonia in Roma (Arch. Giovannoni).

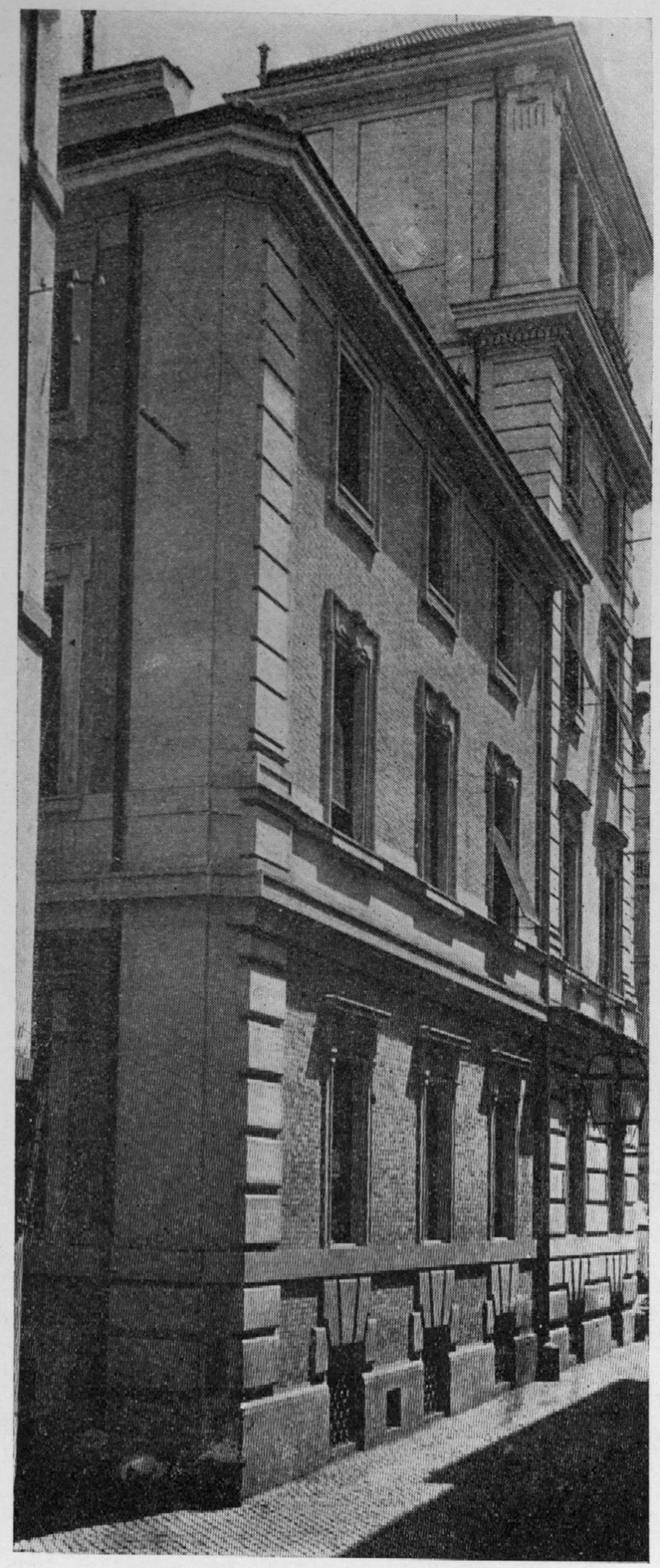
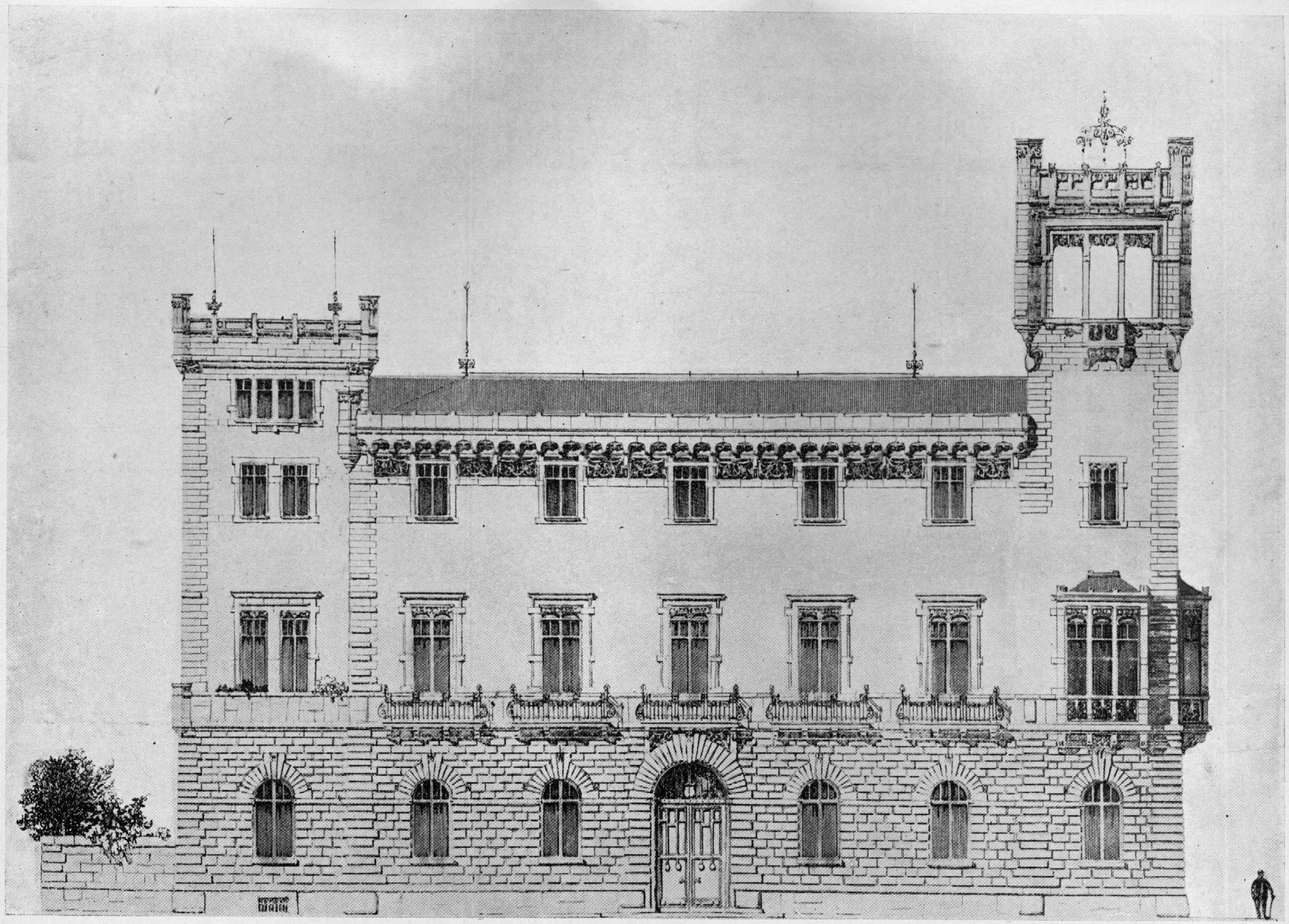


Fig. 2. — Prospetto secondario sul vicolo Montedoro.

Proprietà artistica.

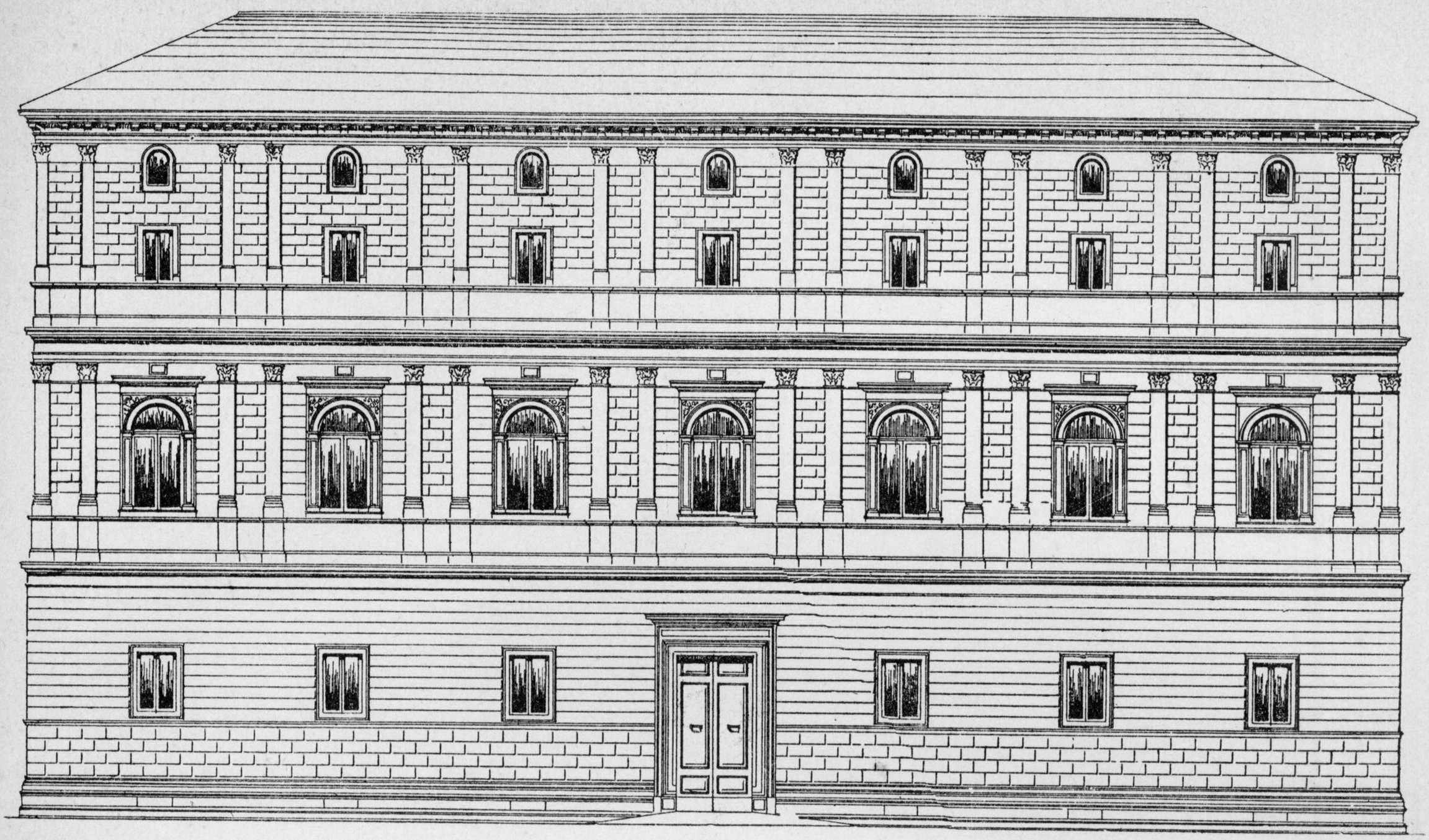


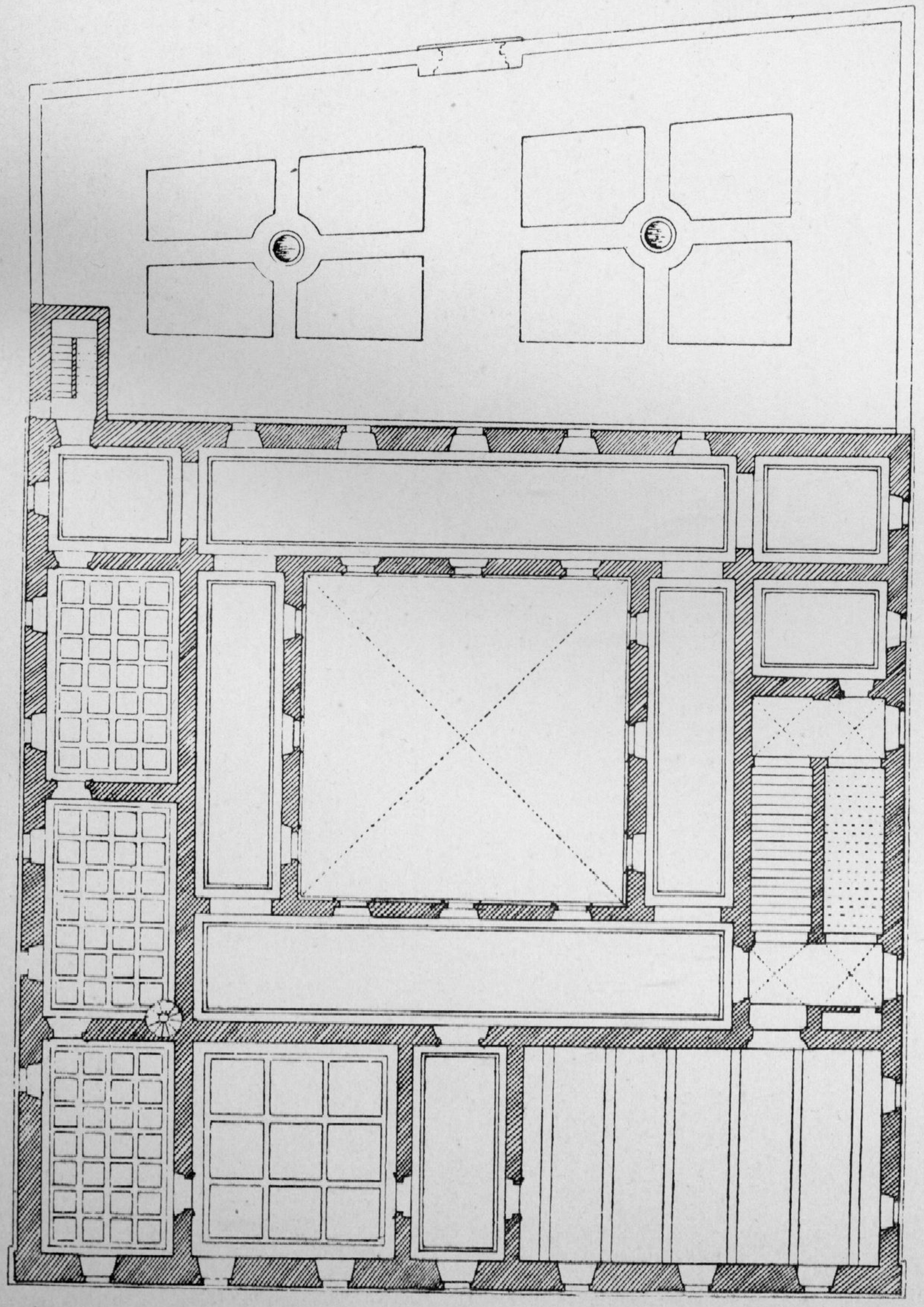
Palazzo Bruno in Spaccaforno. (Arch. Ernesto Basile).

Proprieta artistica.

Casa Castiglioni in Milano, Corso Venezia. (Arch. Giuseppe Sommaruga).

Proprietà artistica.



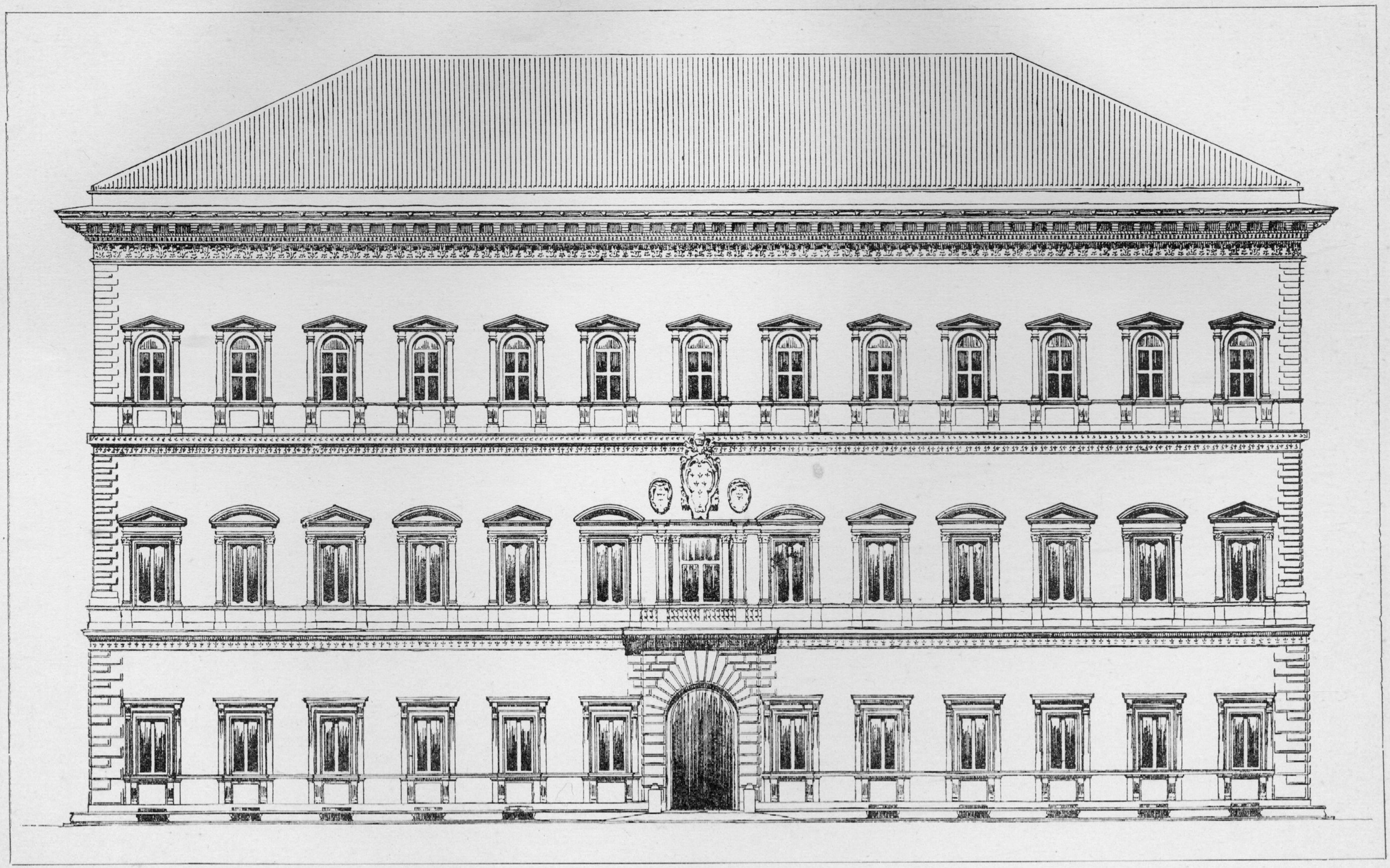


Palazzo Giraud in Roma.

Scala del prospetto.

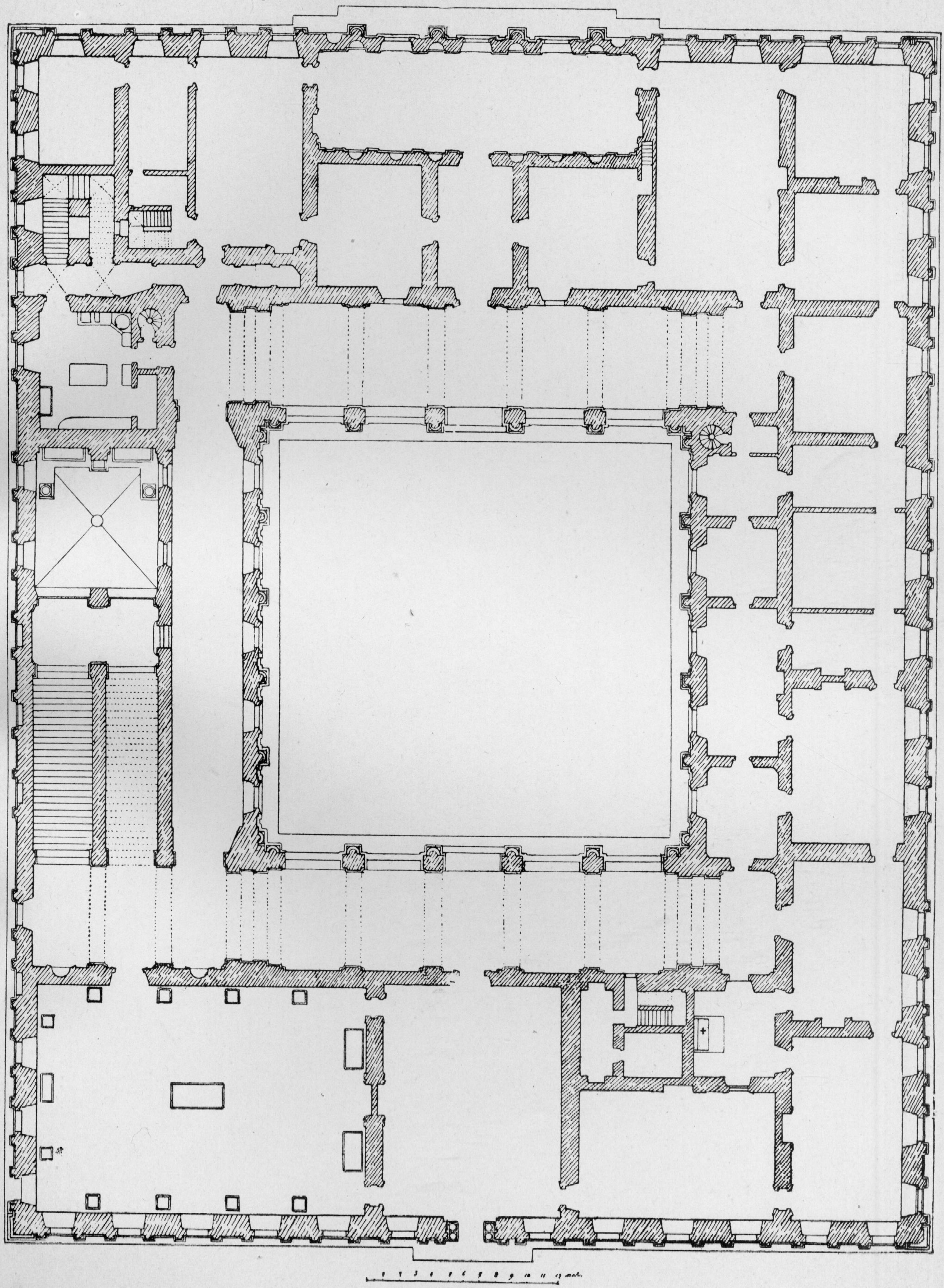
Scala della pianta.

Proprietà artistica.



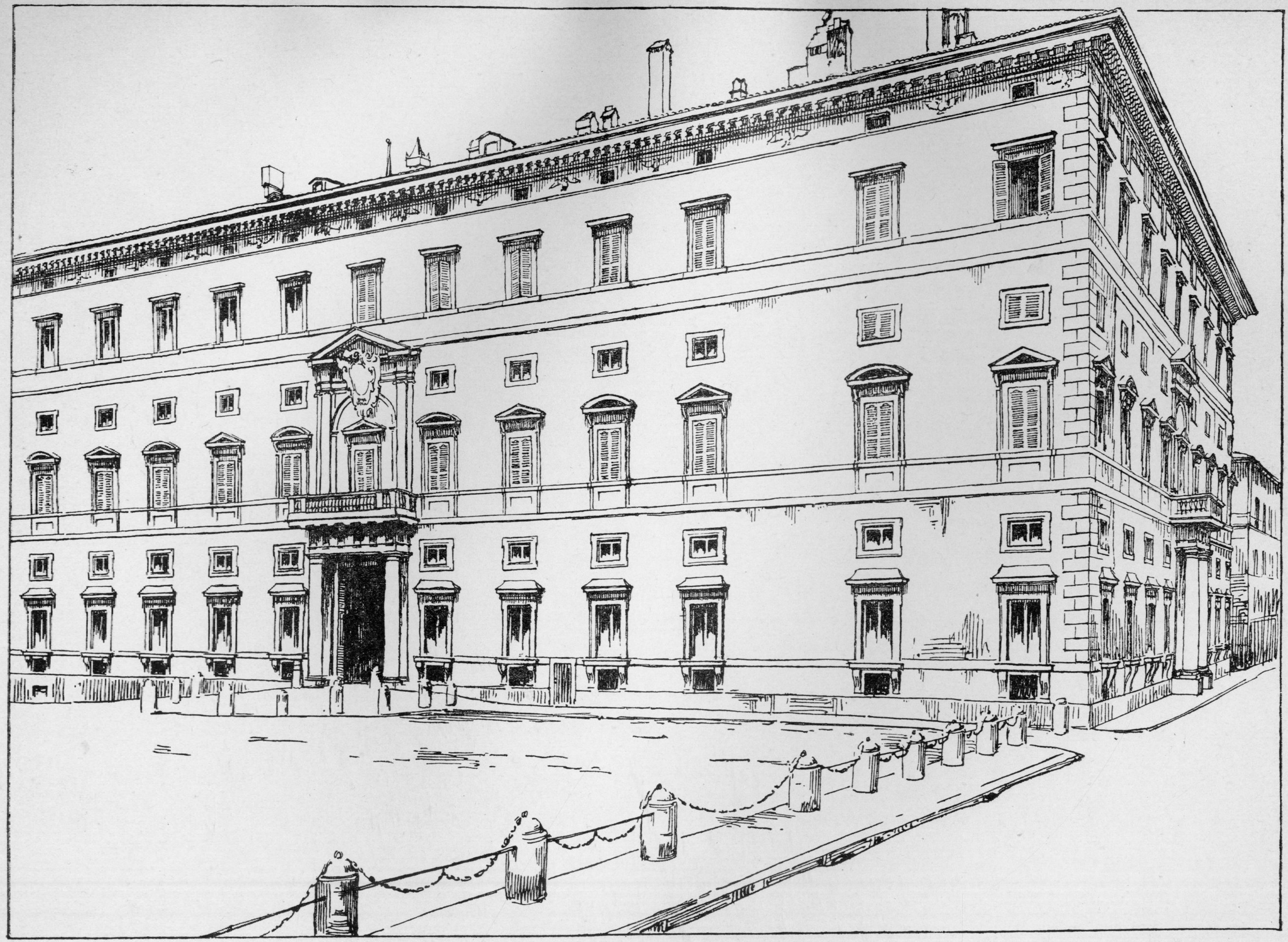
Palazzo Farnese in Roma. Prospetto.

Proprietà artistica.



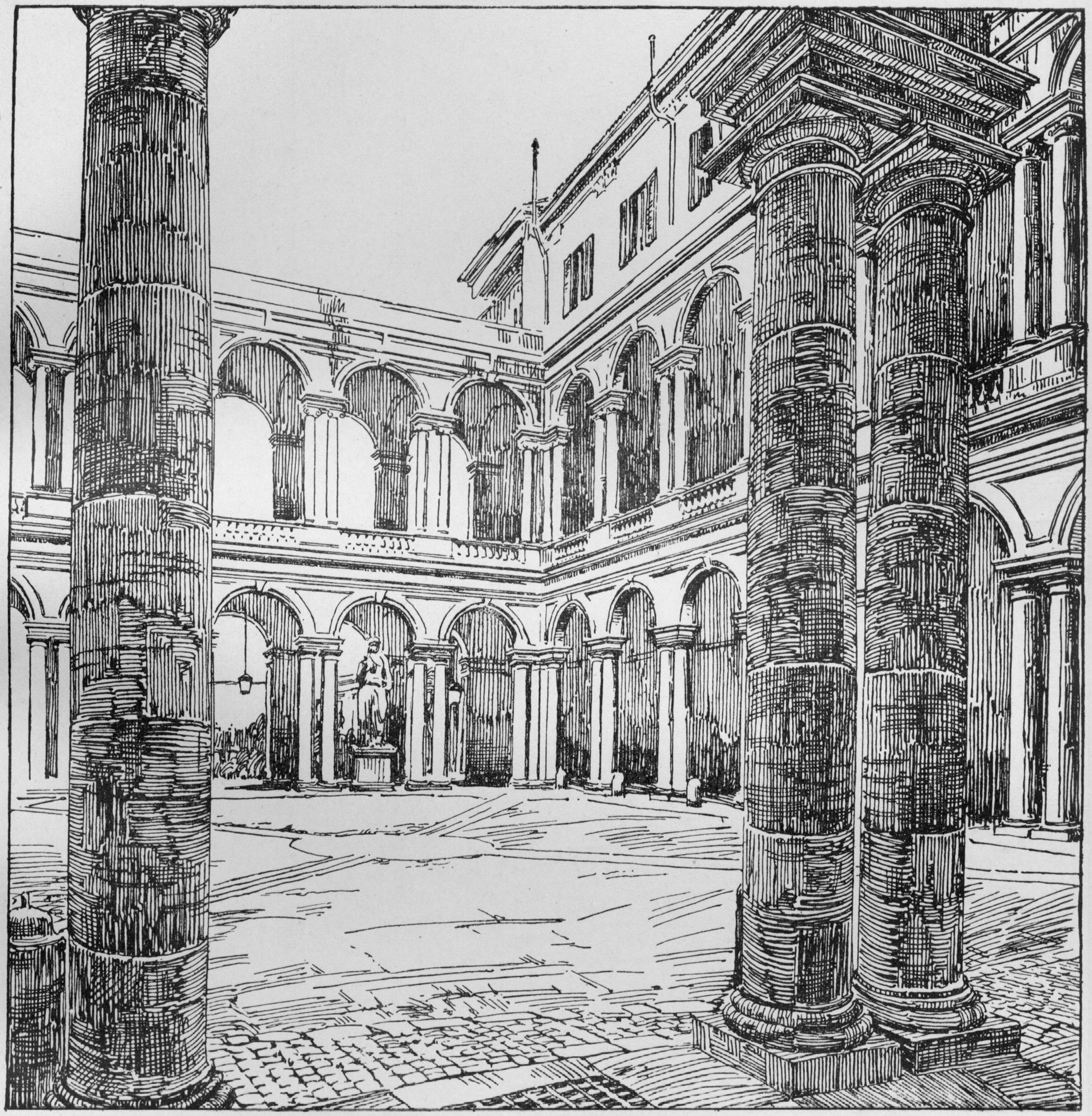
Palazzo Farnese in Roma. Pianta del primo piano.

Proprietà artistica.



Palazzo Borghese in Roma. Prospetto.

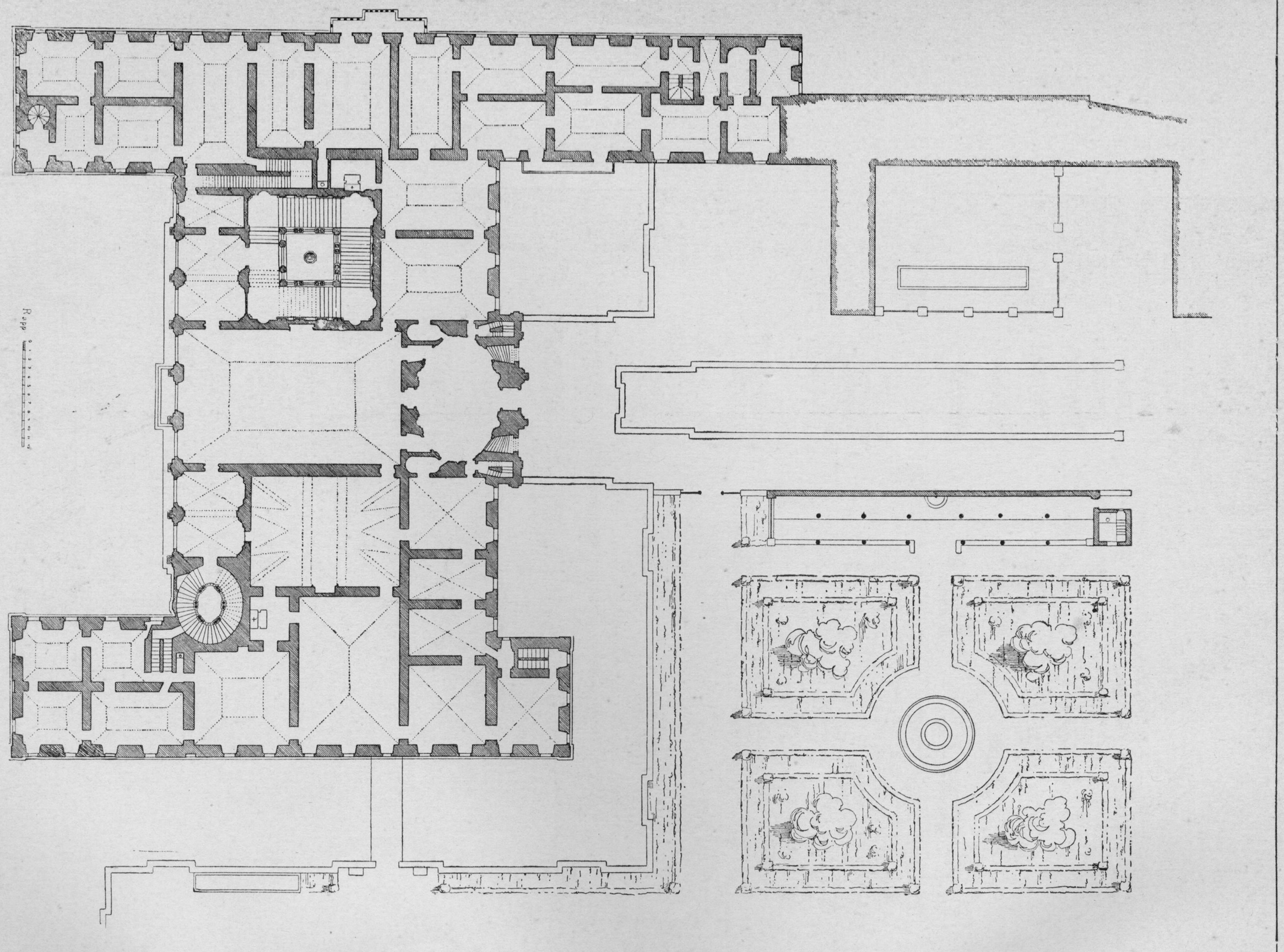
Proprietà artistica.



Palazzo Borghese in Roma.

Cortile d'onore.

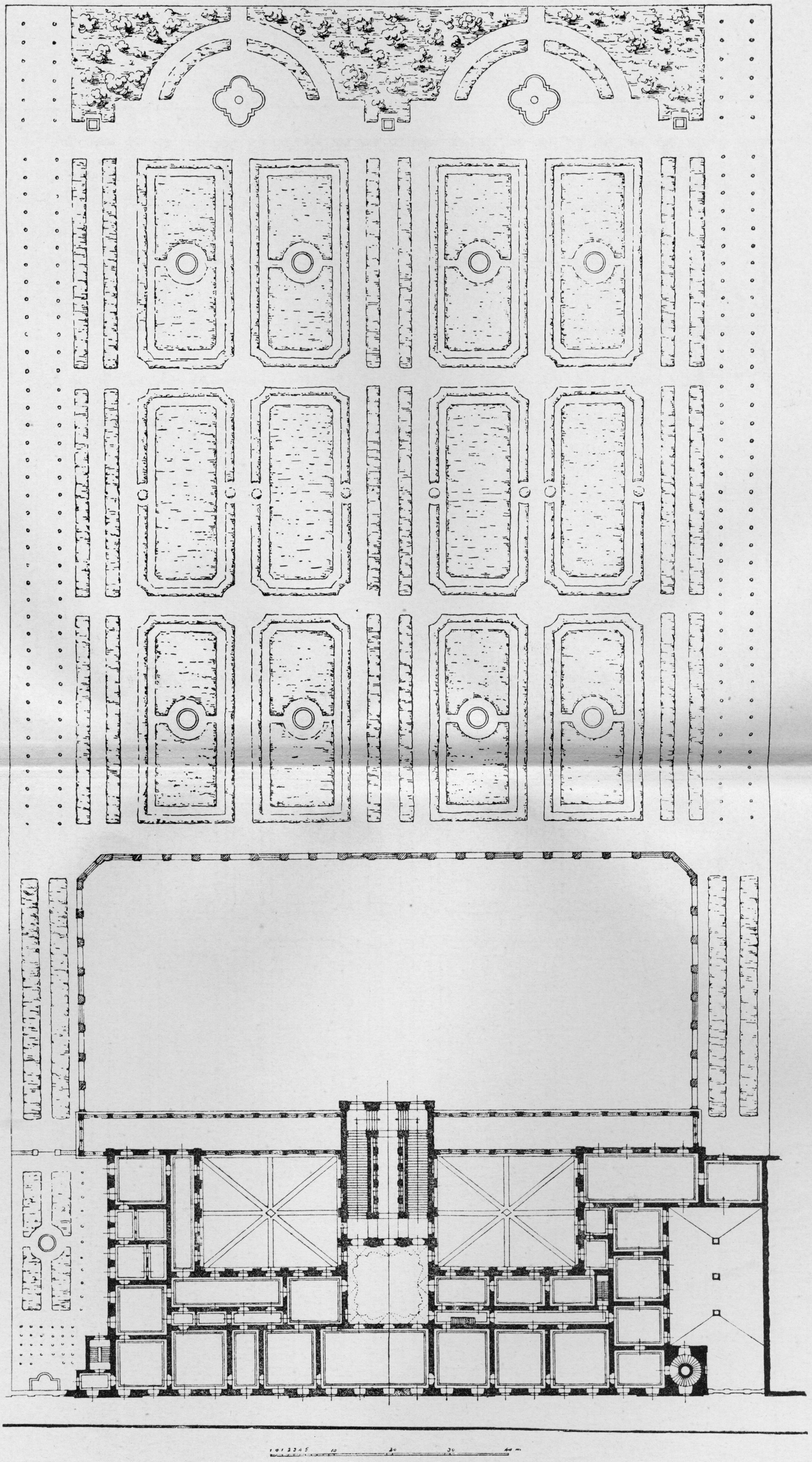
Proprietà artistica.



Palazzo Barberini in Roma. Pianta del piano nobile.

Palazzo Barberini in Roma.

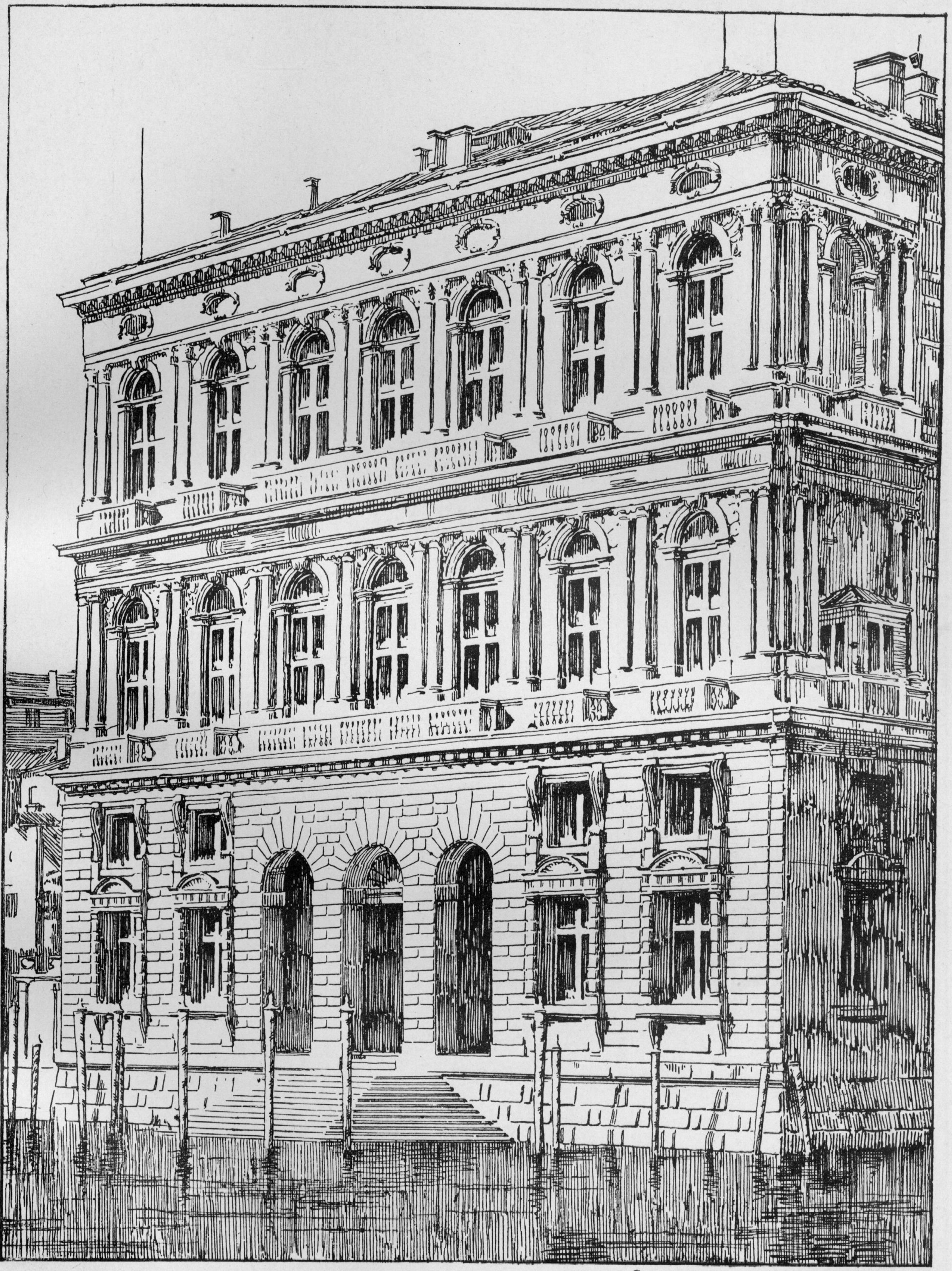
Proprietà artistica.



Palazzo Corsini in Roma.

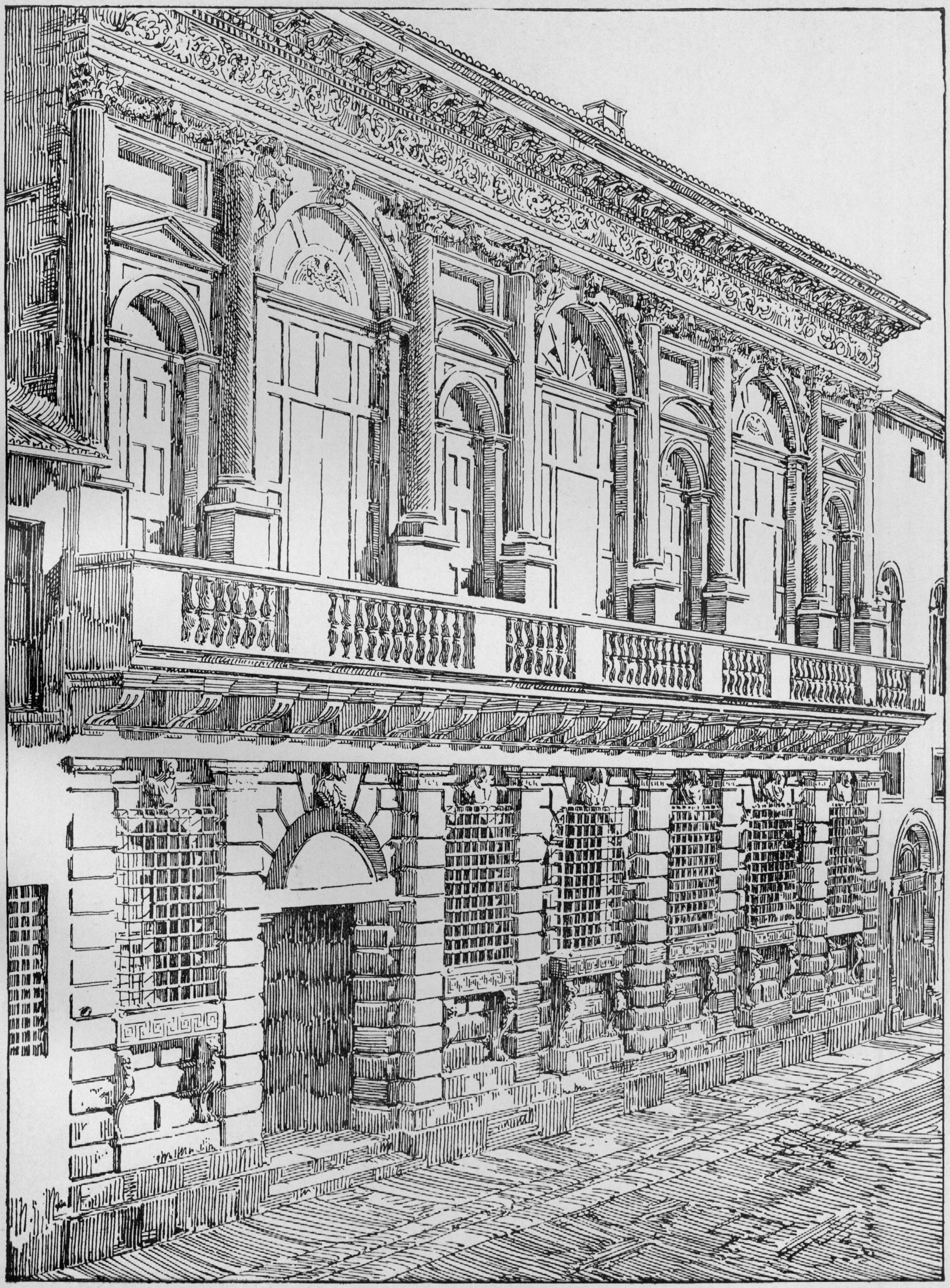
Planimetria.

Proprietà artistica.



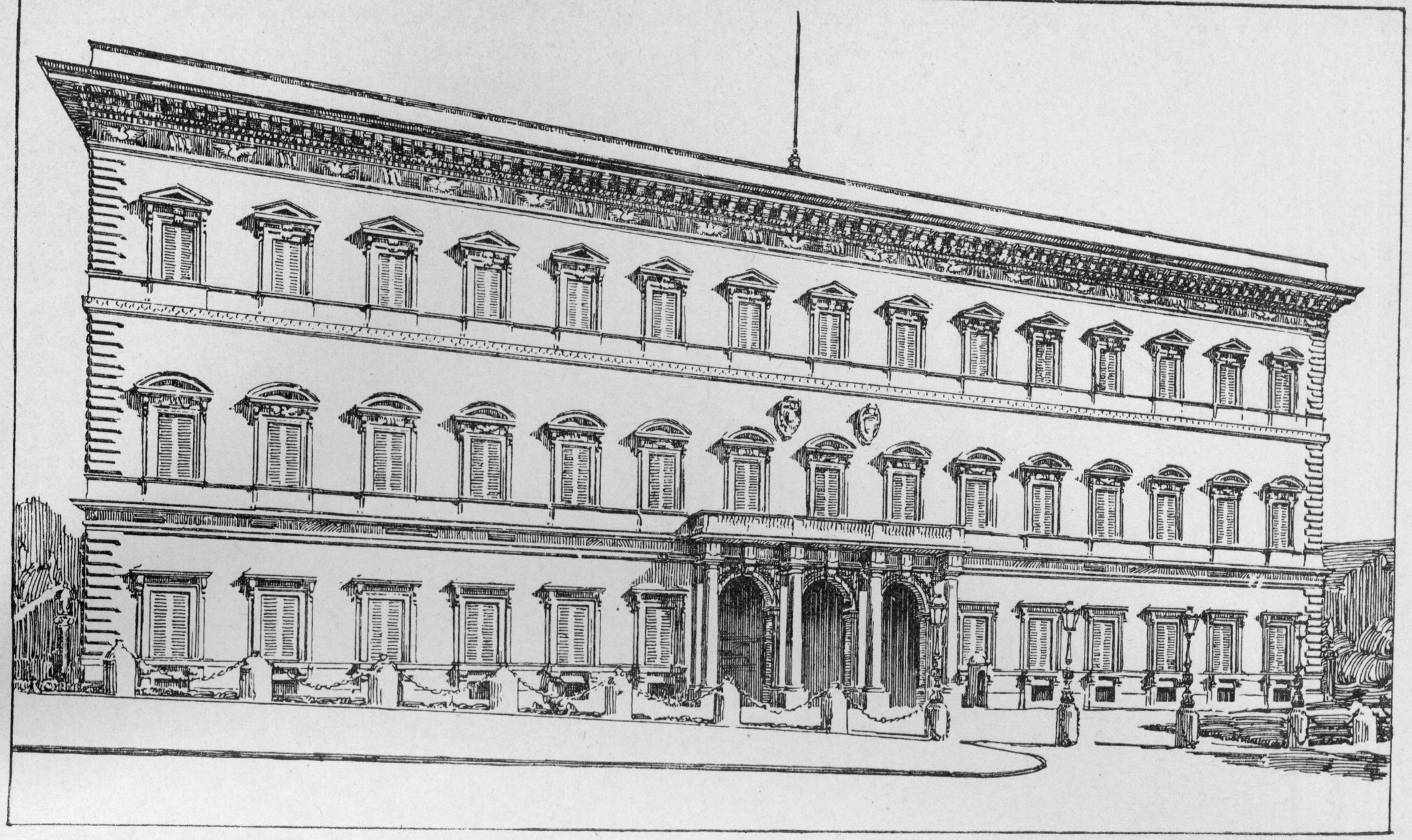
Palazzo Corner, Venezia. Prospetto.

Proprietà artistica.

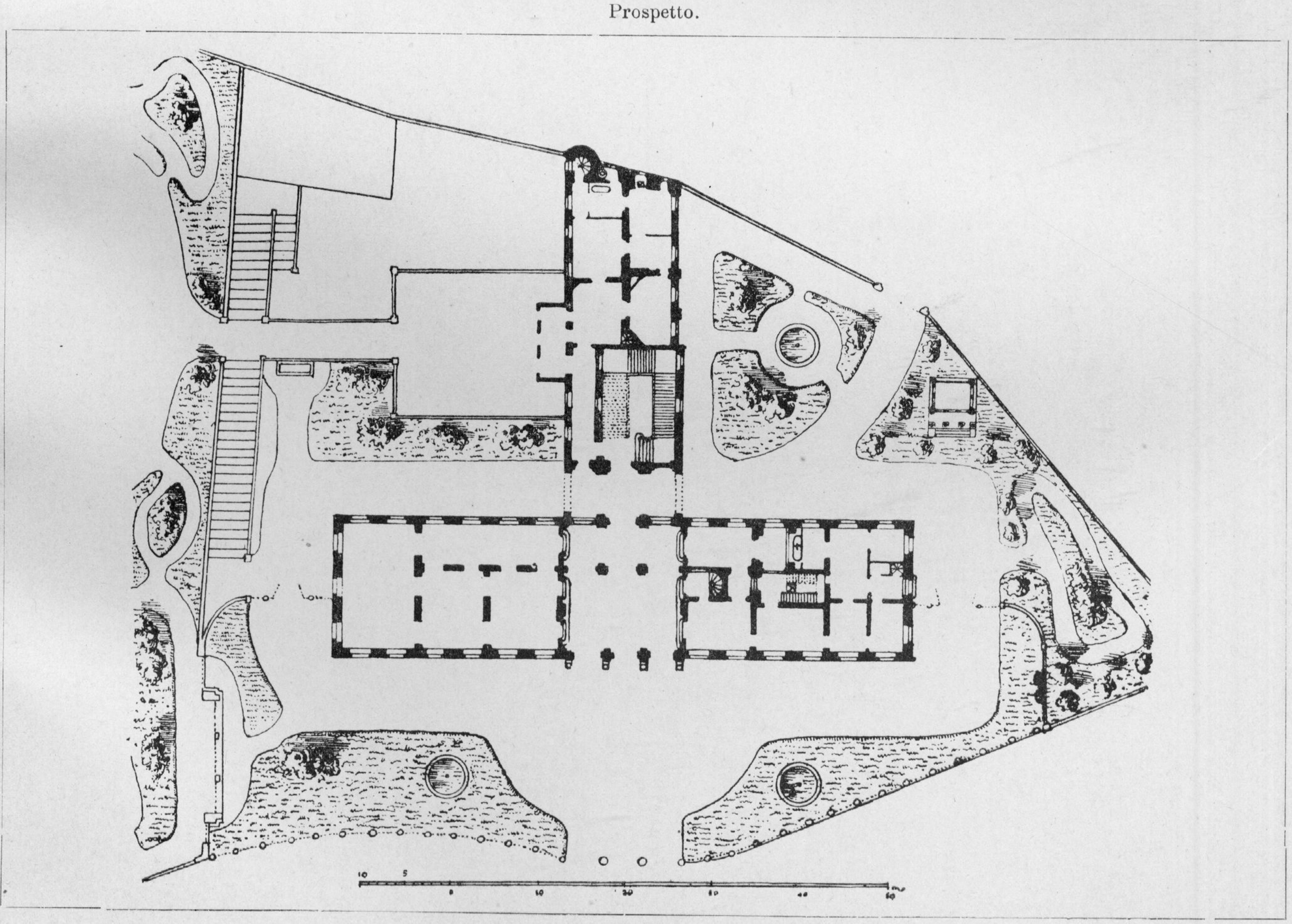


Palazzo Bevilacqua, Verona.

Proprietà artistica.



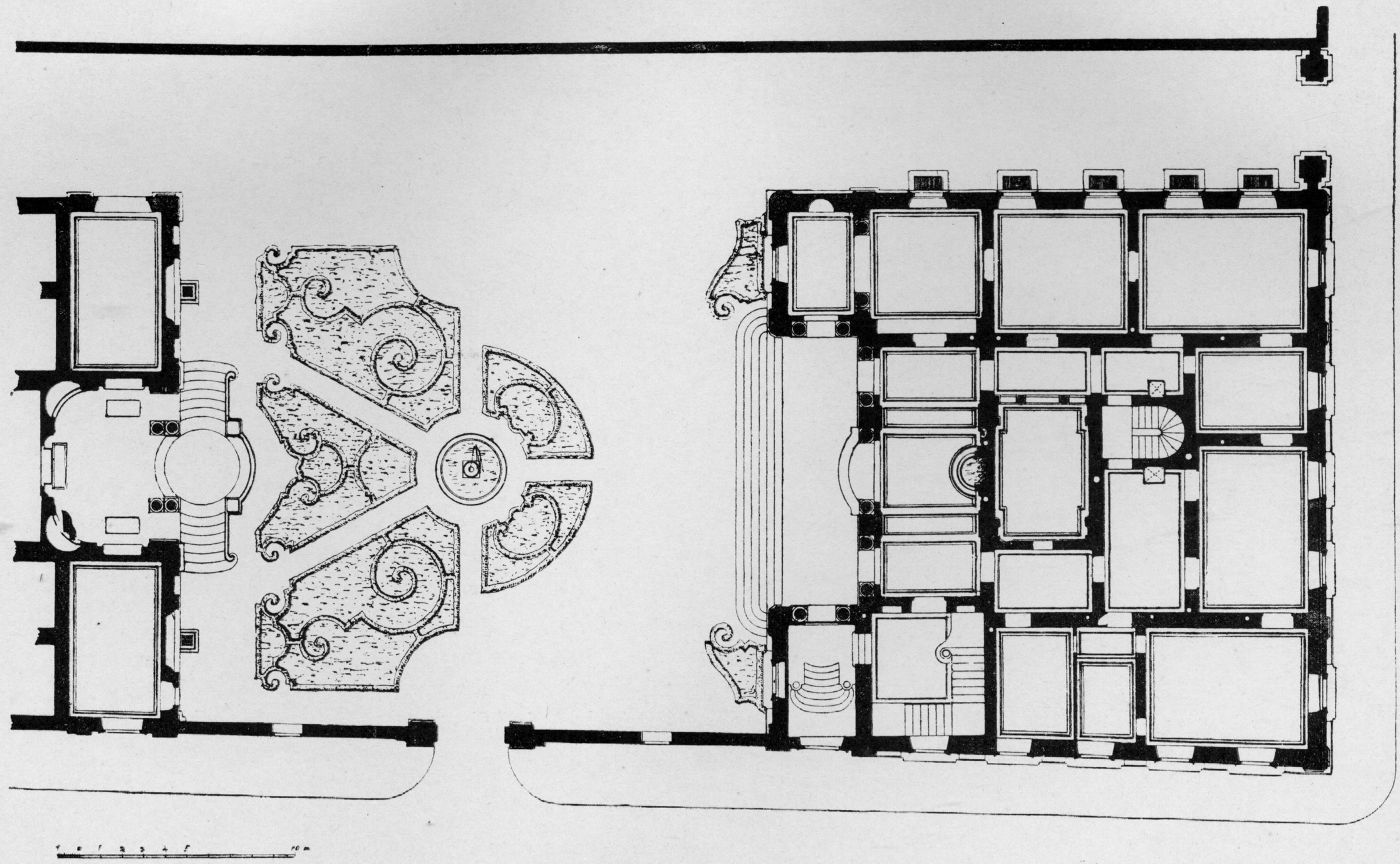
Prospetto.



Pianta.

Palazzo Margherita in Roma.

Proprietà artistica.

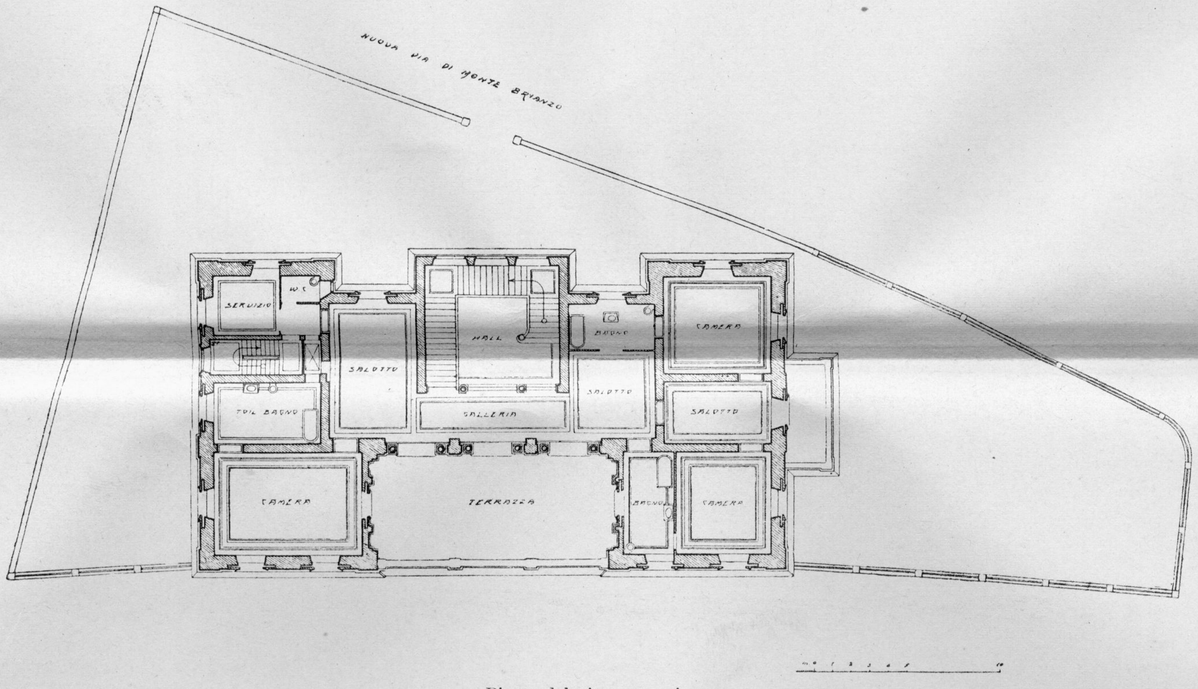


Pianta del piano nobile.

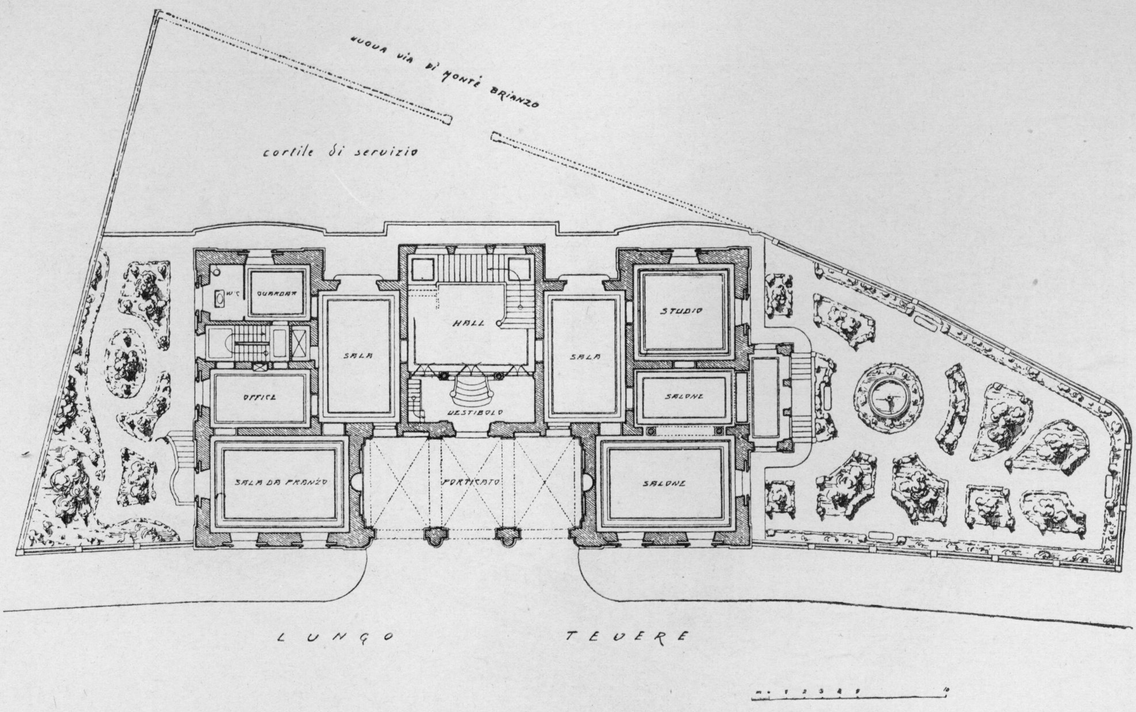
Palazzetto Folchi in Roma.

Proprietà artistica.

Prospetto sul Lungotevere.



Pianta del piano superiore.

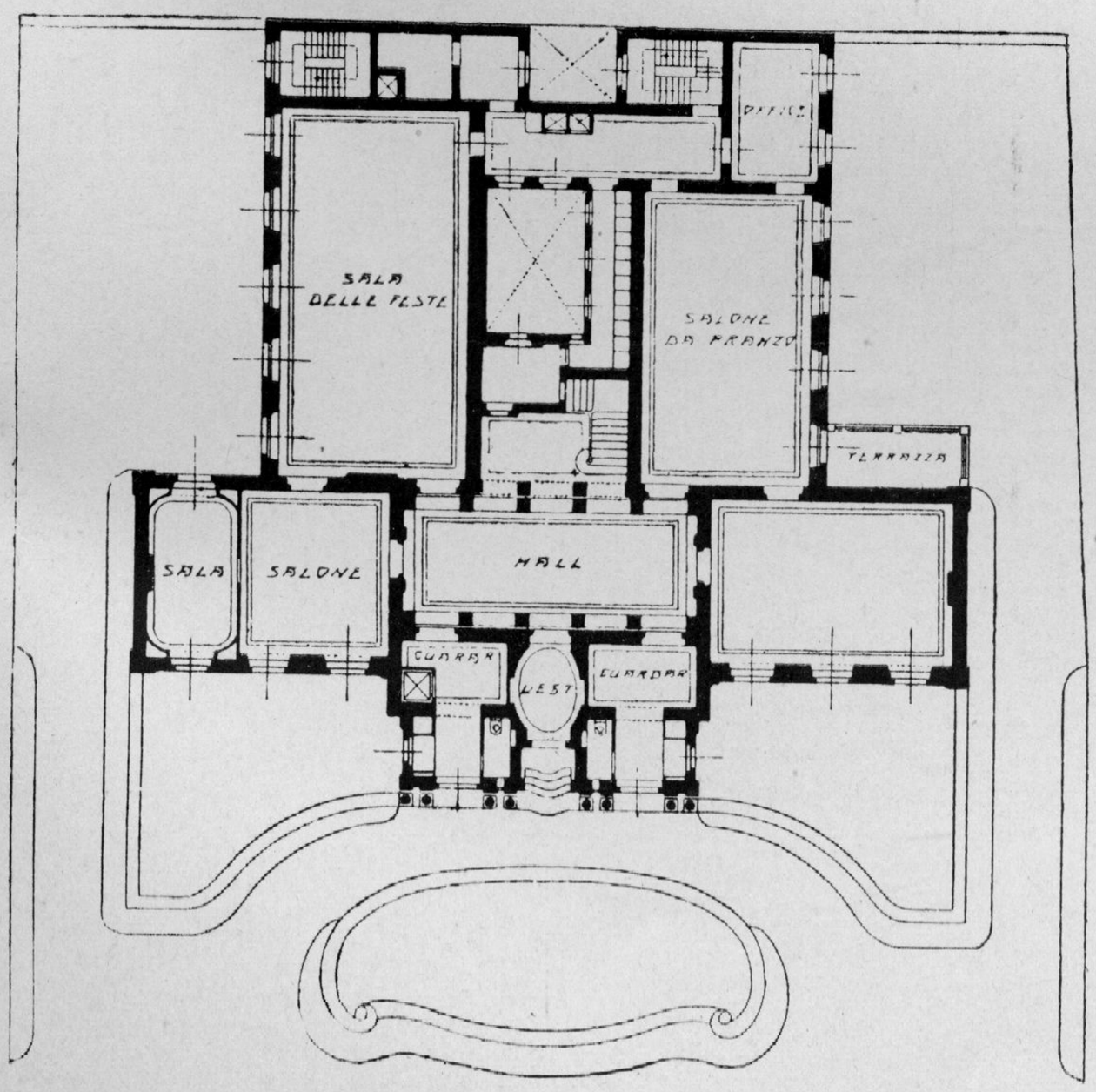


Pianta del piano terreno.

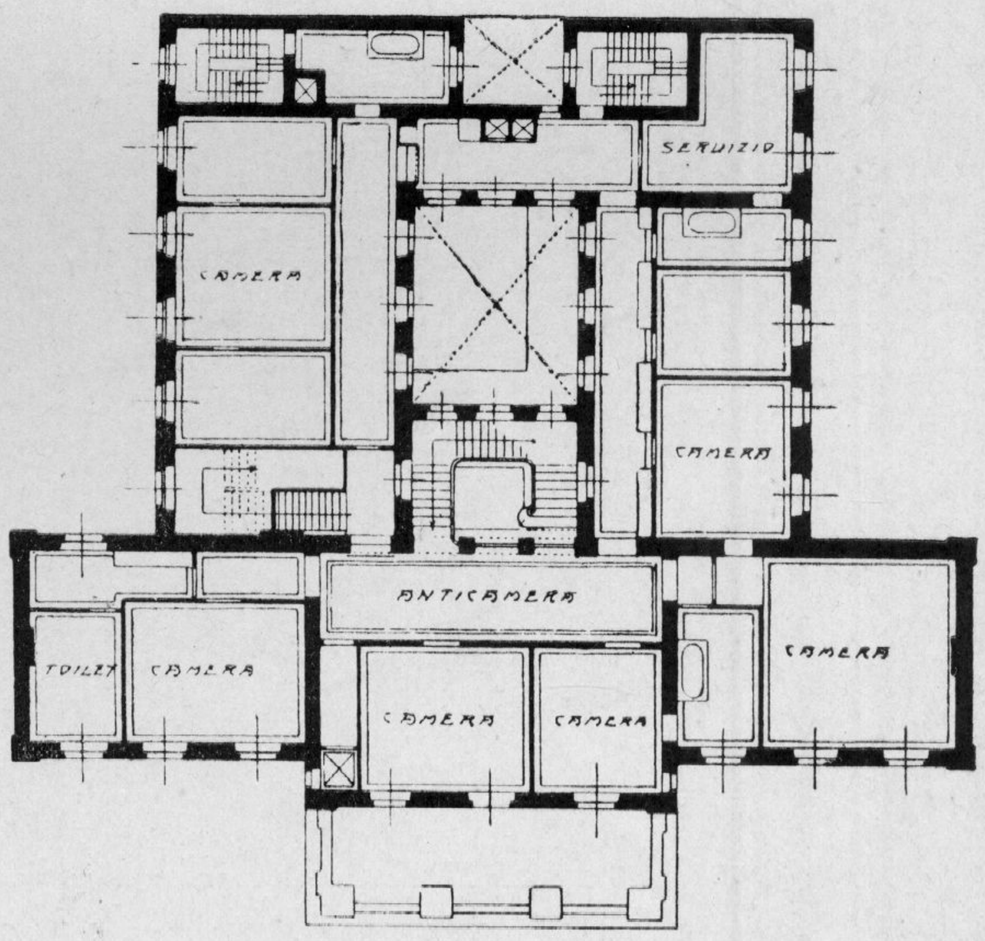
Palazzetto dei Principi Borghese del Vivaro in Roma.

Proprietà artistica.

Prospetto.



Pianta del piano terreno.



Pianta del primo piano.

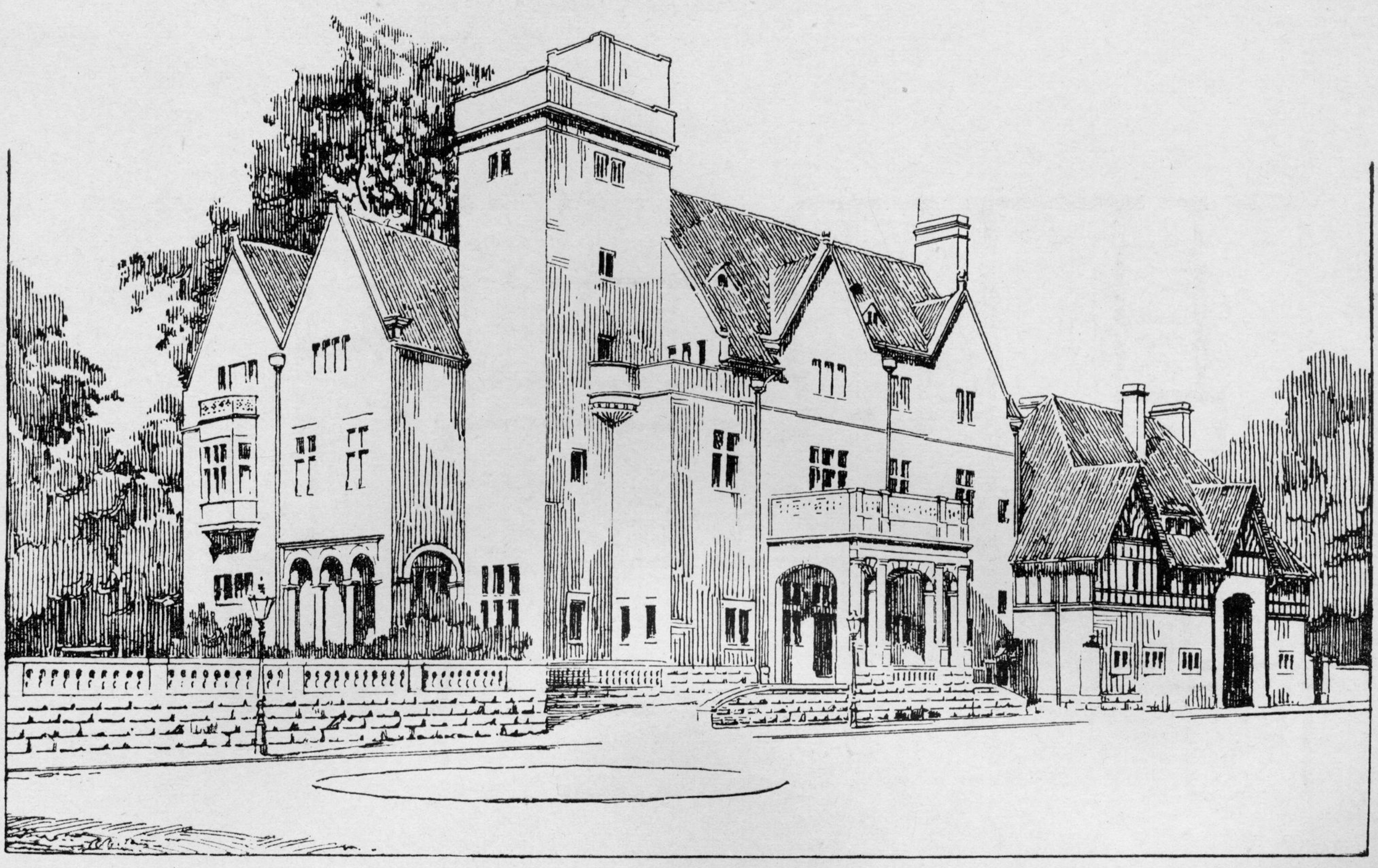
Palazzina Frenkel, Berlino.

Proprietà artistica.

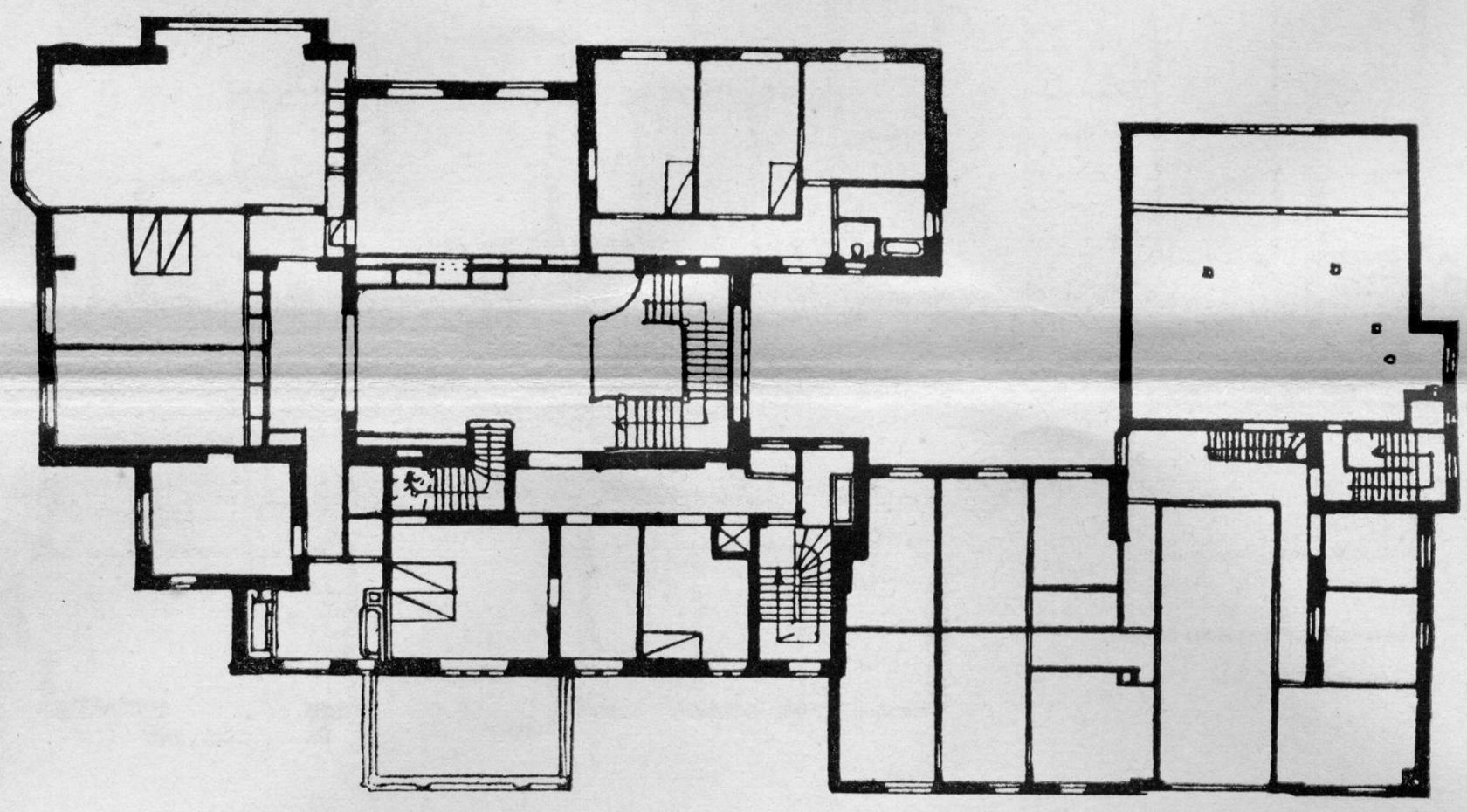
Hall nella palazzina Frenkel, Berlino.

Hall nell'abitazione dell'architetto Withe, Nuova York.

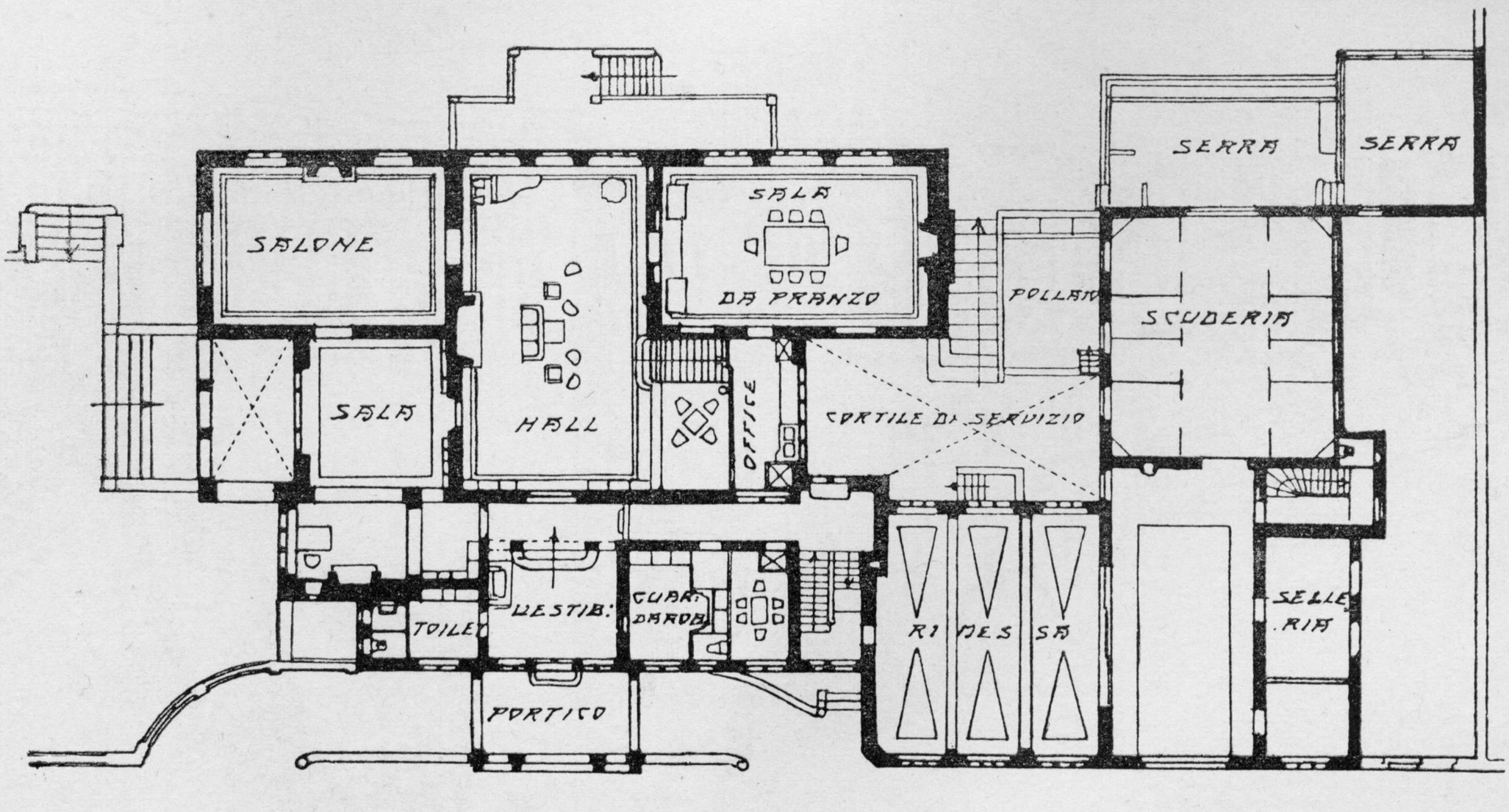
Proprietà artistica.



Prospetto.



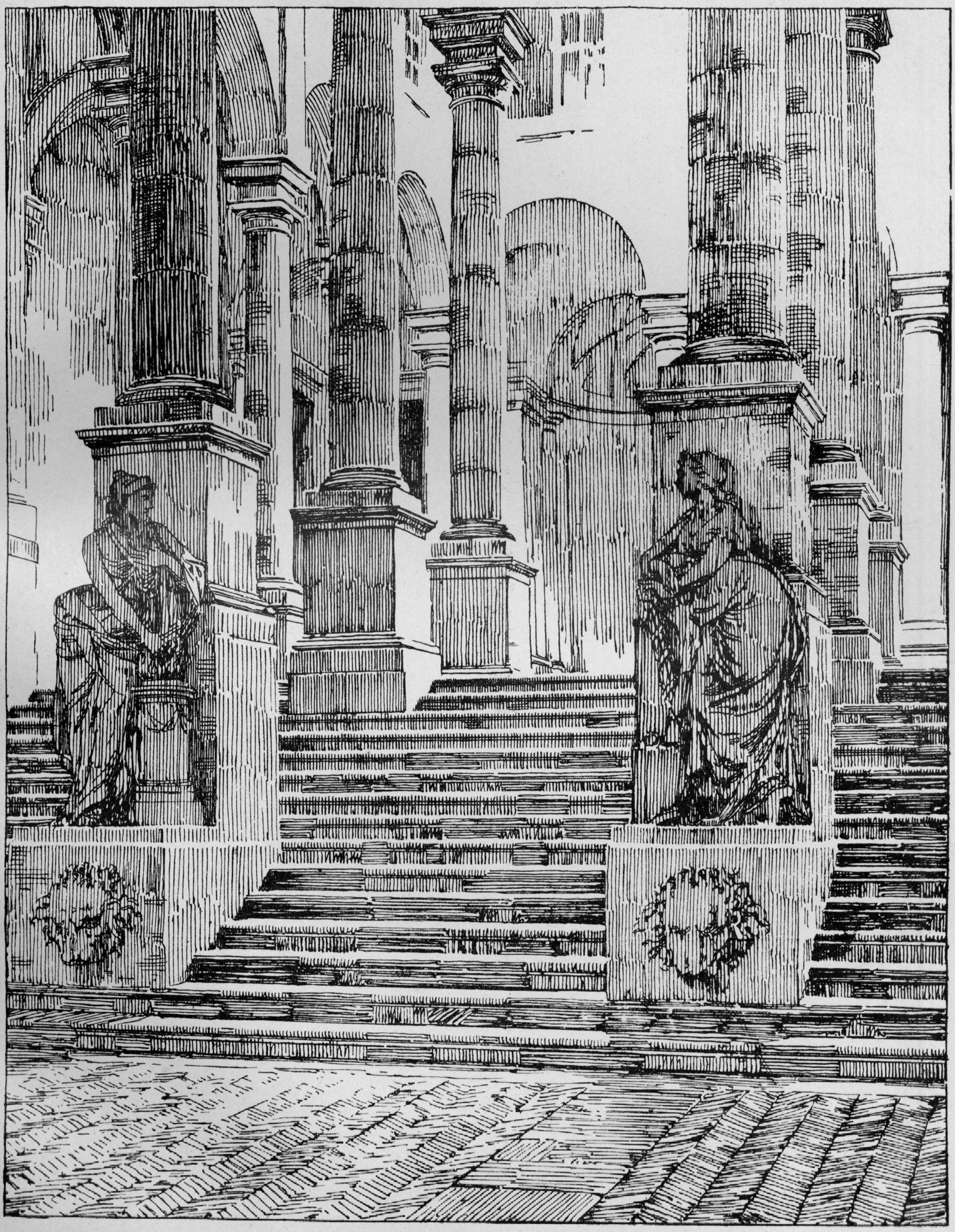
Primo piano.



Piano terreno.

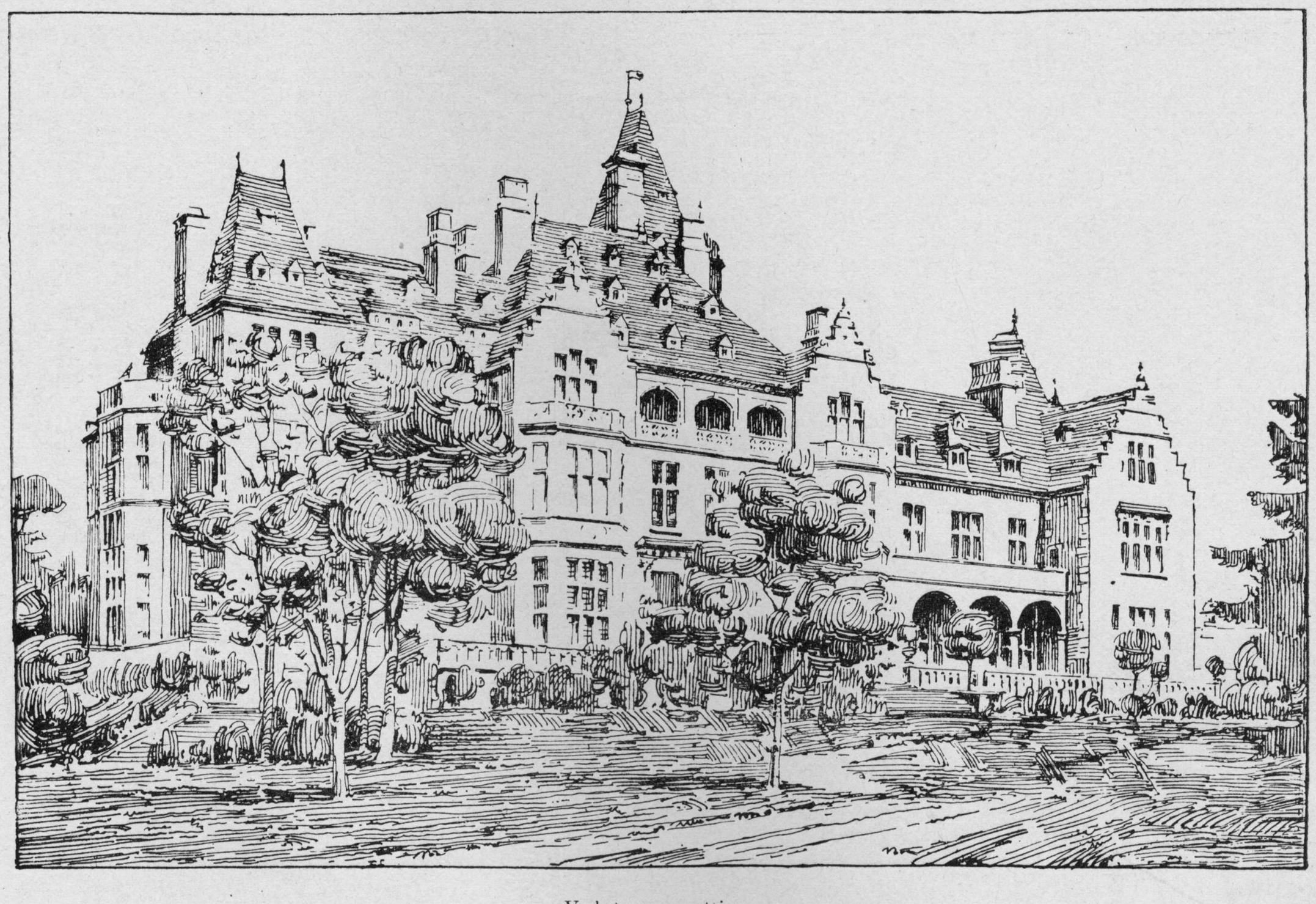
Palazzina Von Oppenheim, Colonia.

Proprietà artistica

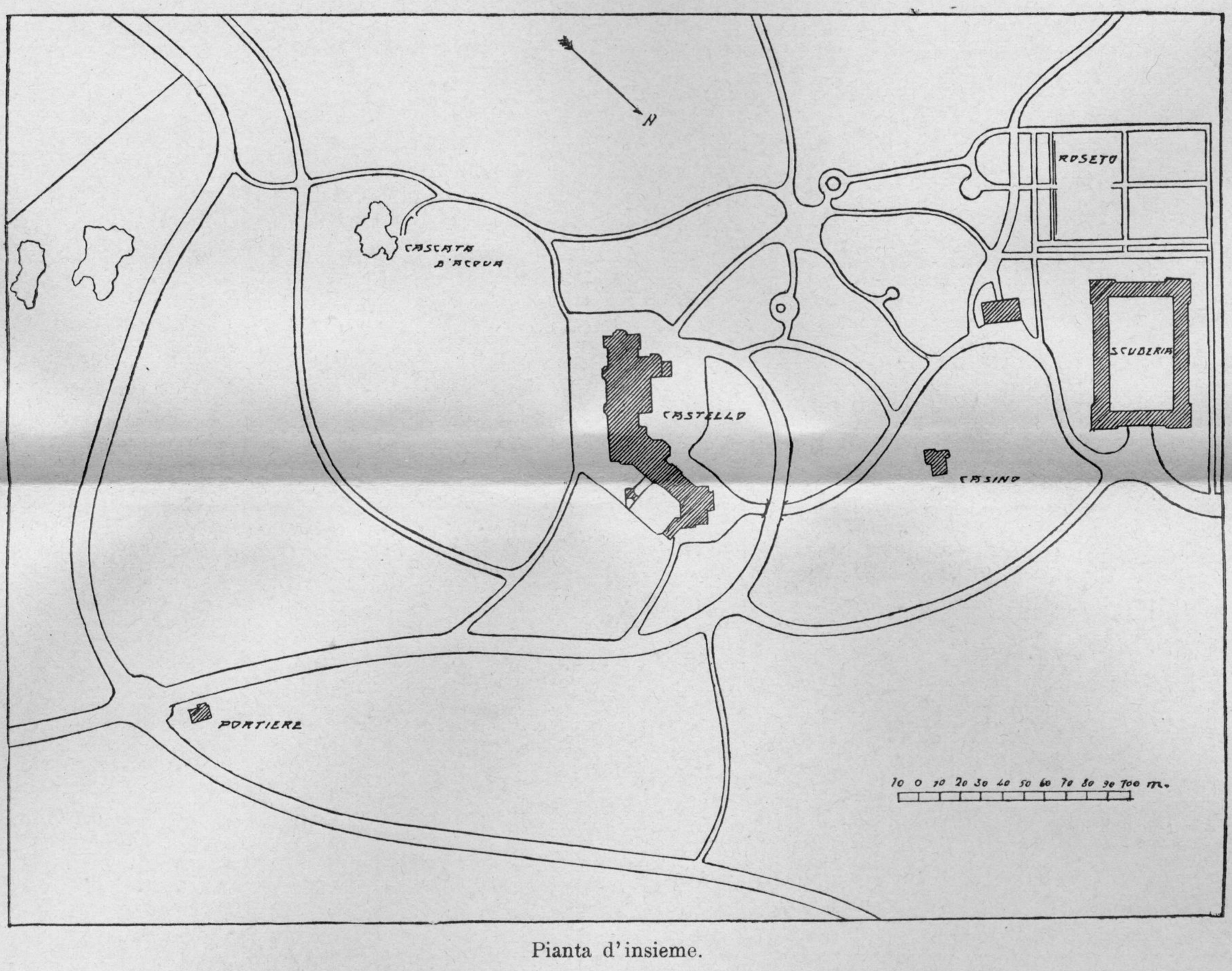


Vestibolo e scala nel palazzo Filippo Durazzo della Scala, Genova.

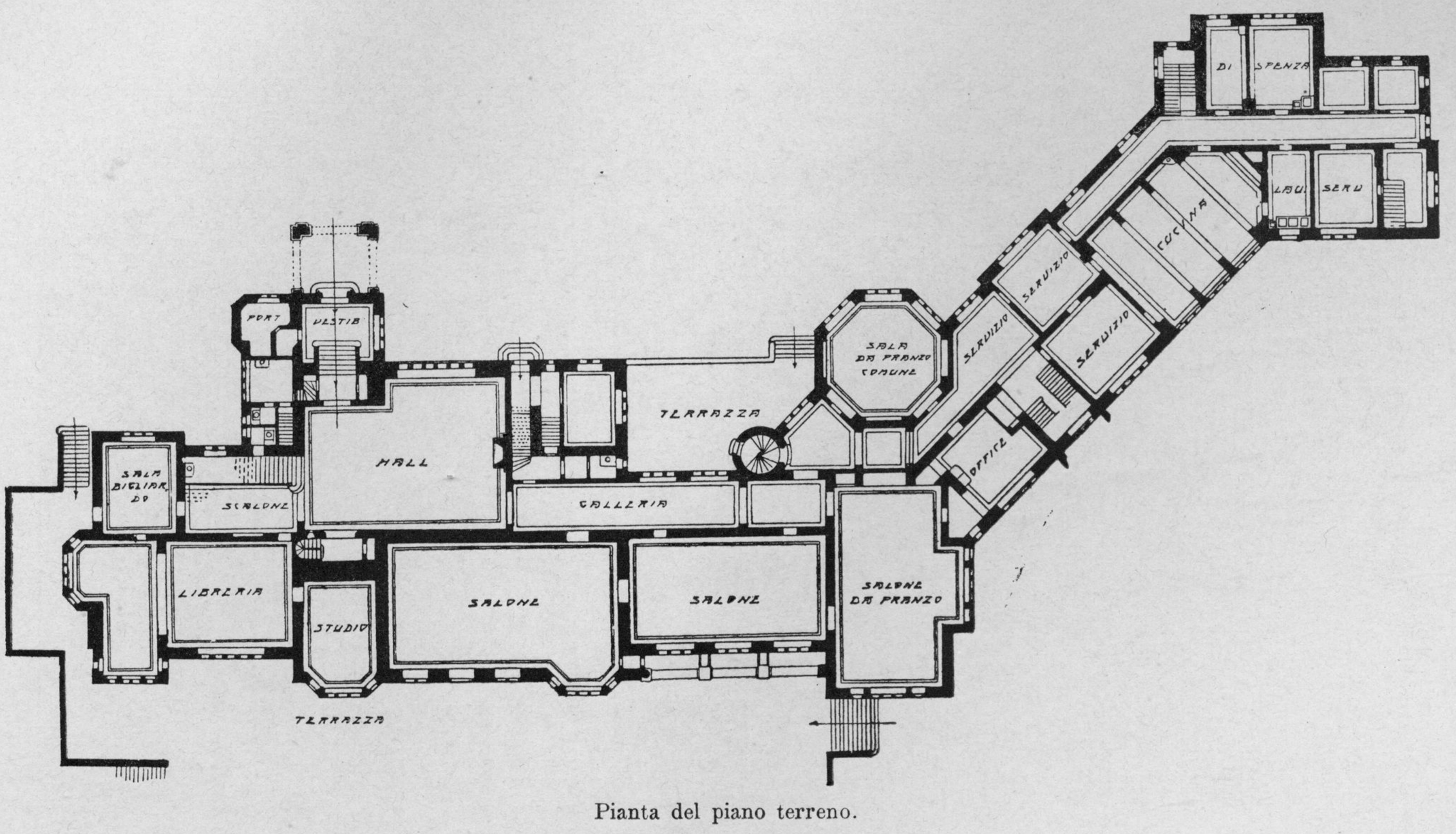
Proprietà artistica.



Veduta prospettica.



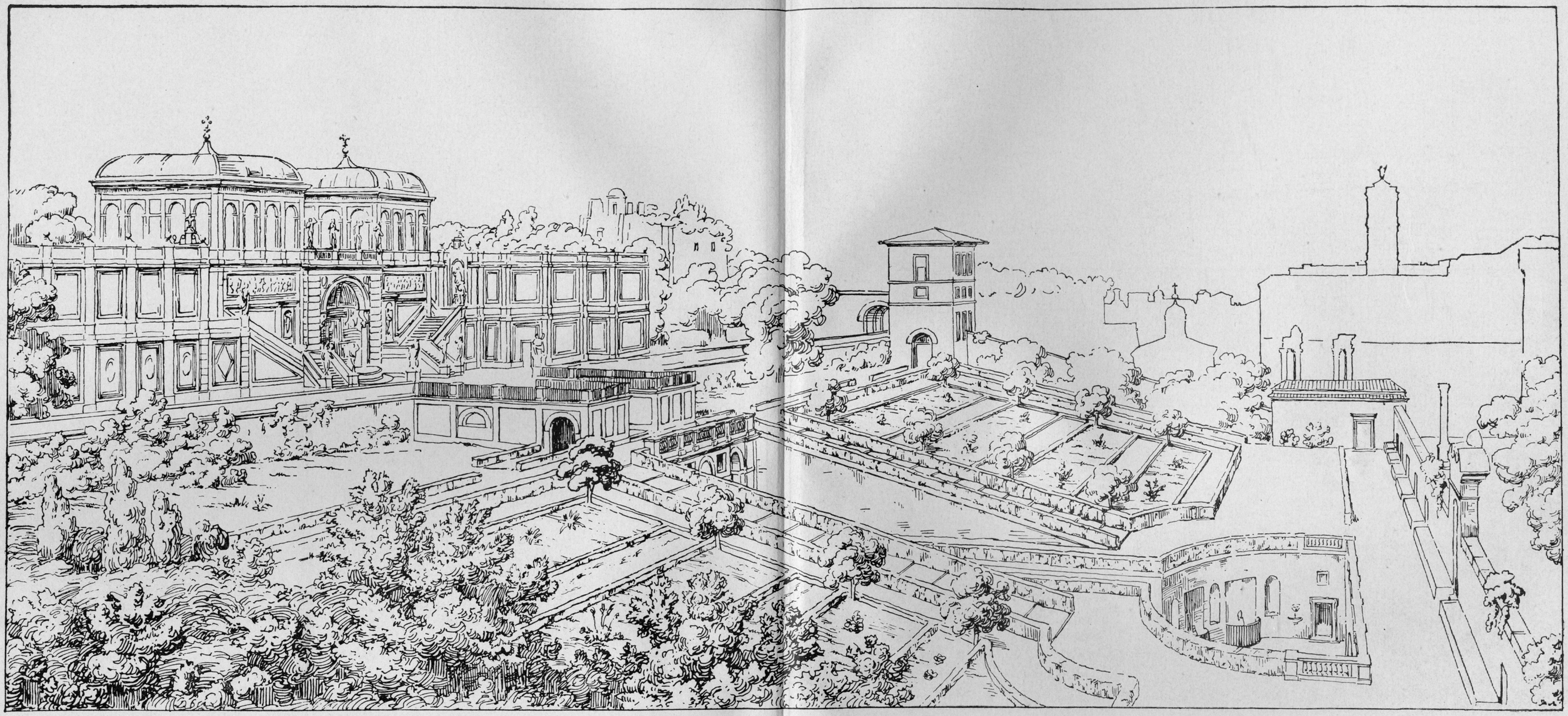
Pianta d'insieme.



Pianta del piano terreno.

Castello Friedrichshof, Cronberg.

Proprietà artistica.



Orti Farnesiani.

Proprietà artistica.